

## Statistics of Education:

### GCSE/GNVQ and GCE A/AS level performance of candidates attempting two or more GCE A levels or AS equivalents in 1999/00



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# GCSE/GNVQ AND GCE A/AS LEVEL PERFORMANCE OF CANDIDATES ATTEMPTING TWO OR MORE GCE A LEVELS OR AS LEVEL EQUIVALENTS IN 1999/00: SCHOOLS AND FE SECTOR COLLEGES IN ENGLAND

## Introduction

**1** This bulletin provides a comparison of the GCE A/AS level performance of students aged 17 at the start of academic year 1999/00 who took at least 2 GCE A levels or AS equivalents in, or before, 1999/00 with their cumulative GCSE/GNVQ achievements up to and including that academic year. It updates by one academic year the information given in Statistical Bulletin 01/00 (published in March 2000) and is the latest in the series which was first published in July 1994 with information on students attempting A/AS levels in 1992/93. Full details of the coverage of the tables and the definition of terms used are given at the end of the text.

**2** The national information given in the annex to this bulletin presents the range of aggregate and subject based GCE A/AS grades achieved by students according to their GCSE/GNVQ attainments. Subject charts for English, mathematics, physics, chemistry and biological sciences are included in the annex to this bulletin. Charts for an additional fifteen subjects and the electronic version of this document can be downloaded from the DfEE's website;  
<http://www.dfef.gov.uk/statistics/DB/SBU/index.html>

**3** The information in this bulletin provides one basis for setting student GCE A/AS progress targets. These can be reviewed in the light of progress to help the evaluations of student and institutional performance. A full description of how this might be achieved is given in 'GCSE to GCE A/AS Value Added – Briefing for Schools and Colleges' published in June 1995, copies of which are available from the DfEE Publications Centre (Tel: 0845 602 2260) on request.

**4** The data underpinning the analyses in this bulletin were also used in the calculation of the value added indices for the volunteer schools and colleges that participated in the post-16 value added pilot whose results were published alongside the 2000 School and College Performance Tables. The 2000 'Autumn Package' also included for the first time this year a national value added analysis between GCSE/GNVQ and A/AS level/Advanced GNVQ based on the post-16 value added pilot methods. Details of the pilot can be obtained from the DfEE's website;  
[http://www.dfef.gov.uk/performance/vap\\_00.htm](http://www.dfef.gov.uk/performance/vap_00.htm)

**5** The structure of the charts in this bulletin and in the post-16 pilot is similar to the presentation of the pre-16 value-added published by the Department, OFSTED and Qualifications Curriculum Authority in the 'Autumn Package' October 2000, available at;

<http://www.standards.dfef.gov.uk/performance/>. This data forms the basis of a new Statistical Bulletin 'Pupil Progress in Schools in England: 2000' due to be published in April 2001 showing the progress made by pupils during compulsory schooling.

## Key Points

**6** The main points identified in this bulletin are:

- a strong positive association between prior GCSE/GNVQ performance and GCE A/AS level scores (paragraph 8).
- candidates with similar levels of performance at GCSE/GNVQ achieved a wide range of GCE A/AS level scores (paragraphs 8 to 10).
- differences in the GCE A/AS level scores of candidates from different types of establishments were mainly a reflection of differences in candidates' performance at GCSE/GNVQ, although some differences still remain when the comparison is focused on candidates with a similar level of achievement at GCSE/GNVQ (paragraphs 12 to 14).
- candidates with below average GCSE/GNVQ performance tended to achieve higher GCE A/AS level grades if their subject specialisation was in non-science subjects (paragraphs 15 to 17).
- females with above average GCSE/GNVQ scores tended to achieve lower GCE A/AS level grades than similarly qualified males (paragraph 18).

## All candidates

**7** Just over 175,800 candidates aged 17 had taken at least 2 GCE A/AS level examinations, excluding general studies, by the end of 1999/00 (this figure excludes 2,460 candidates for whom no GCSE/GNVQ scores could be identified). Of these, 21 per cent had achieved a score of 25 or over, the equivalent of an A and two B grades or better. In contrast, 22 per cent achieved a score of less than 10, the equivalent of an E and two D grades, or a C and a D grade.

**8.** There is a strong link (table 1) between a candidate's GCE A/AS level score and their average GCSE/GNVQ score per entry. For example, 50 per cent of candidates (88,570) had an average GCSE/GNVQ score per entry of 6 or above (an average of grade B or better), and of these, 40 per cent achieved a GCE A/AS level score of 25 or over, and 4 per cent scored less than 10 points. In contrast, 5,490 (3%) achieved an average GCSE/GNVQ point score per entry of less than 4.5, of whom 75 per cent achieved fewer than 10 GCE A/AS points and only 20 of these candidates (0.4%) achieved 25 GCE A/AS points or more.

**9** The relationship between GCSE/GNVQ and GCE A/AS level scores is illustrated in chart A, which shows the median and upper and lower quartiles of the distribution of average GCE A/AS score per entry for candidates in each range of average GCSE/GNVQ score per entry. For example, among the candidates with an average GCSE/GNVQ score of between 4 and 4.4, half achieved an average GCE A/AS score per entry of 2 or more and a quarter achieved an average GCE A/AS score per entry of 4 or more. For candidates with an average GCSE/GNVQ score of between 6.5 and 6.9 (15% of candidates), half achieved an average GCE A/AS score per entry of 7.3 or more (between a B and a C grade) and a quarter achieved an average GCE A/AS score per entry of 8.7 or more (between an A and a B grade).

**10** Chart A1 shows the same information but for *total* GCE A/AS point score rather than average GCE A/AS point score per entry. For example, of those candidates with an average GCSE/GNVQ score per entry of between 4 and 4.4, half achieved a GCE A/AS score of 6 or more and a quarter achieved a GCE A/AS score of 8 or more. For those candidates with an average GCSE/GNVQ score per entry of between 6.5 and 6.9, half achieved a GCE A/AS score of 22 or more and a quarter a score of 26 or more.

**11** The inclusion or exclusion of A/AS level general studies can have significant effects on the comparison of an individual's and an institution's total GCE A/AS point score with the national average, as discussed in the Technical Annex to the 'GCSE to GCE A/AS Value Added' briefing (paragraph 3). Institutions where there

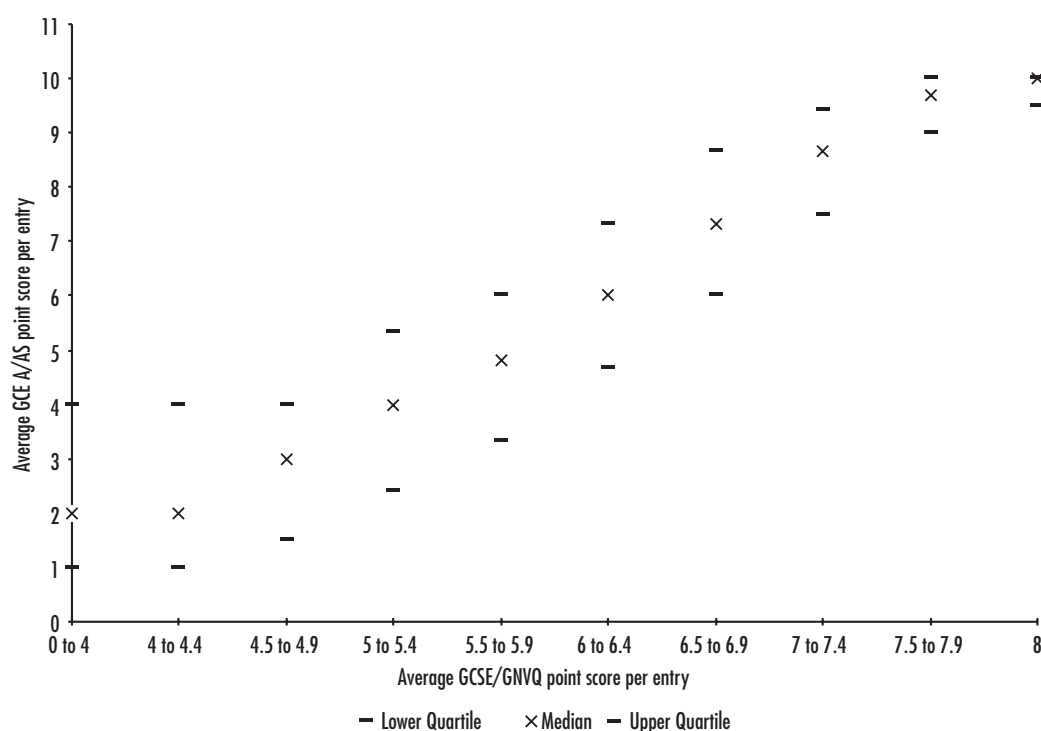
is a systematic take-up of general studies will tend to achieve, other things being equal, a better value added using the total GCE A/AS point score measure than those not offering this subject. For the purposes of this bulletin, any GCE A/AS level attempts and passes in general studies are excluded.

### Candidates from different types of institution

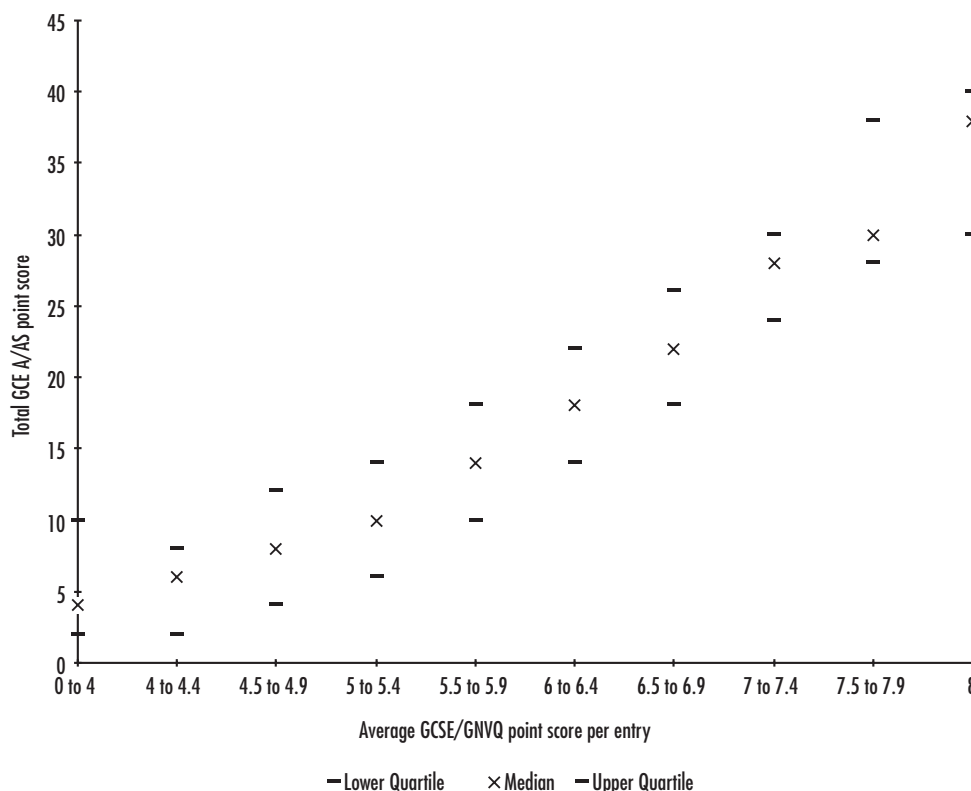
**12** Some 72% (126,480) of candidates aged 17 were recorded as studying in schools and 28% (49,240) of candidates in Further Education sector colleges. Comparisons of each of these group's performance at GCSE/GNVQ and GCE A/AS level are given in tables 2 and 3. Overall, candidates in schools tended to achieve slightly higher GCE A/AS level results than those from Further Education sector colleges. For example, 23 per cent of students in schools achieved a GCE A/AS level point score of 25 or over compared with 16 per cent of candidates in Further Education sector colleges. The proportions with fewer than 10 GCE A/AS level points were 20 per cent and 28 per cent in schools and Further Education sector colleges respectively. Candidates in FE colleges with broadly similar GCSE/GNVQ achievements tended to attain slightly lower GCE A/AS grades than those in schools or sixth form colleges.

**13** Candidates from independent schools tended to achieve higher GCE A/AS level scores than those candidates from maintained schools (tables 4 and 5). In independent schools, 42 per cent of candidates achieved a GCE A/AS level score of 25 or over compared with 18 per cent of candidates from maintained schools. In

**CHART A:**  
**Average GCE A/AS score per entry by average GCSE/GNVQ point score per entry for candidates attempting 2 or more GCE A/AS levels (excluding general studies) – all establishments**



**CHART A1:**  
**Total GCE A/AS point score by average GCSE/GNVQ point score per entry for candidates attempting 2 or more GCE A/AS levels (excluding general studies) – all establishments**



contrast, 8 per cent of candidates from independent schools compared with 24 per cent of maintained schools achieved a GCE A/AS level score of less than 10.

**14** Tables 6 and 7 show that candidates from sixth form colleges tended to achieve better GCE A/AS level scores than those from other Further Education sector colleges. Eighteen per cent of candidates from sixth form colleges achieved a GCE A/AS level score of 25 or over compared with 11 per cent of candidates from other Further Education sector colleges. In contrast, the corresponding figures for candidates with a GCE A/AS level score of less than 10 were 23 per cent and 35 per cent.

### Characteristics of the candidates

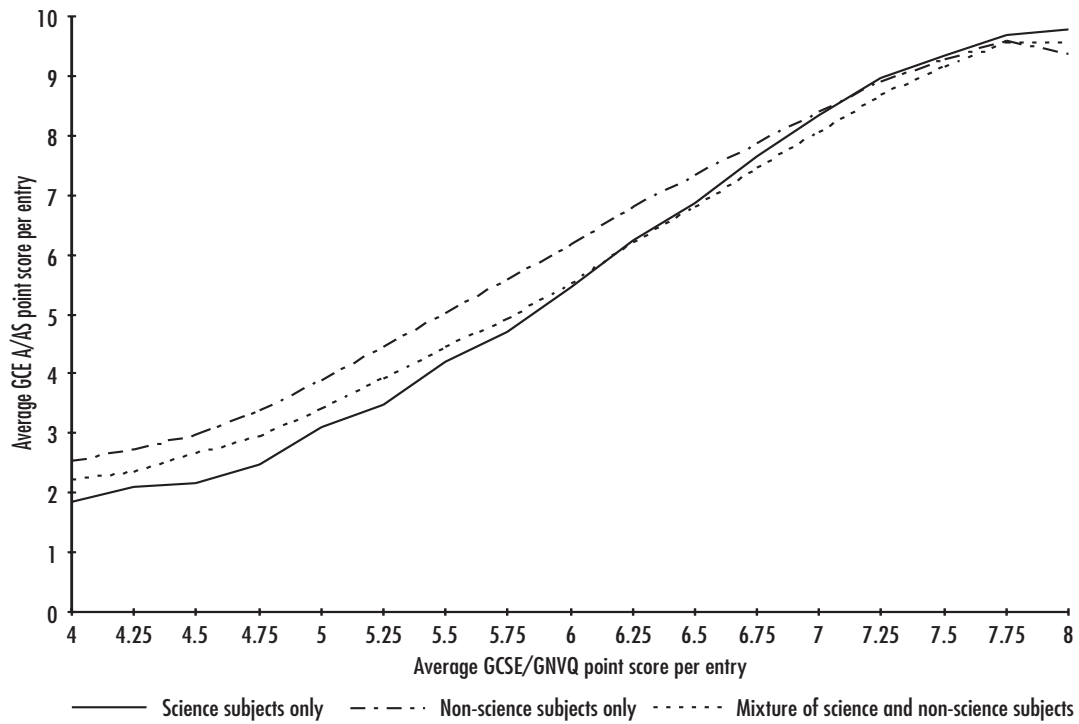
**15** Those candidates who took only science subjects (or all science subjects with the exception of one non-science AS examination) were more likely to achieve very high GCE A/AS level scores (see paragraph 25 for the definition of science and non-science subjects). Of such candidates, 34 per cent achieved a GCE A/AS level score of 25 or over compared with 16 per cent of candidates taking only non-science subjects (or all non-science subjects with the exception of one science AS examination) and 21 per cent of candidates taking a mix of science and non-science subjects. However, in each of these groups of candidates, similar proportions – 21 per cent attempting only science subjects, 25 per cent of those taking non-science subjects and 21 per cent of those taking a mixture of science and non-science subjects – achieved GCE A/AS level scores of less than 10.

**16** These differences reflect the tendency for science specialists to have higher average GCSE/GNVQ performance: 68 per cent achieved an average GCSE/GNVQ score per entry of 6 (average grade B) or over, compared with 40 per cent of candidates taking only non-science subjects or all non-science subjects with the exception of one AS examination, and 55 per cent of candidates taking a mixture of science and non science subjects.

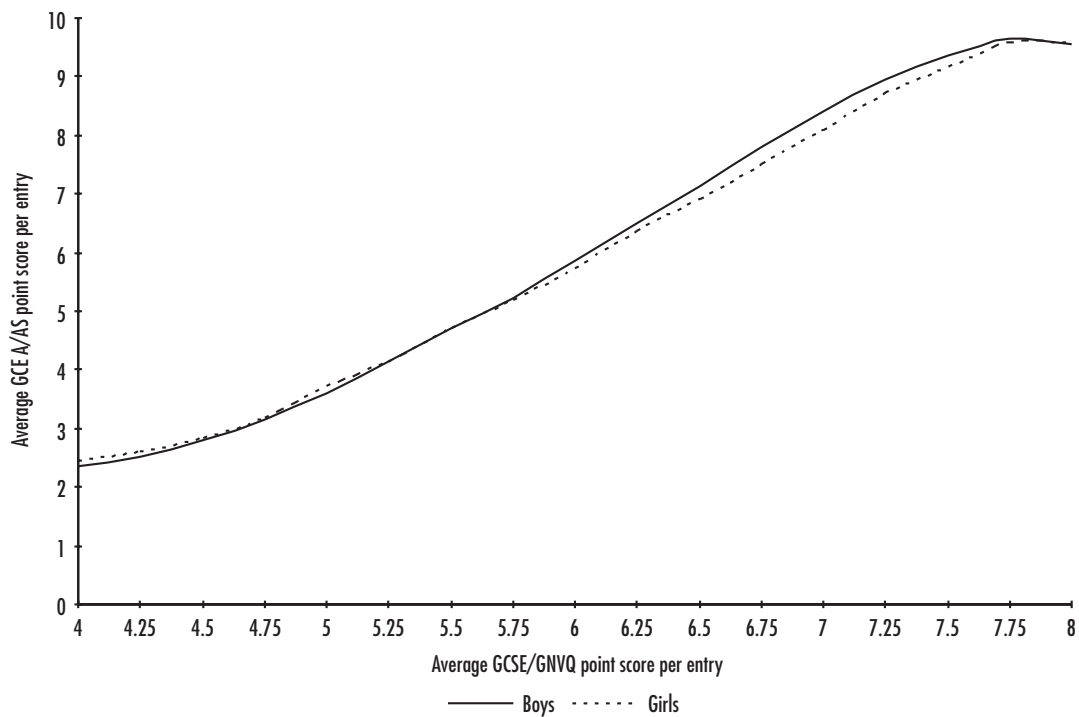
**17** Chart B shows the average GCE A/AS score per entry for different bands of GCSE/GNVQ attainment for three types of GCE A/AS level candidates – those taking science subjects only, those taking non-science subjects only, and those taking a mixture of science and non-science subjects. Except for candidates with very high levels of GCSE/GNVQ attainment, GCE A/AS level candidates with similar GCSE/GNVQ attainment taking non-science subjects only achieved a higher average GCE A/AS score per entry than students taking science subjects only or a mixture of the two.

**18** For most levels of GCSE/GNVQ attainment, female candidates were generally less likely to achieve high GCE A/AS level scores than male candidates (tables 11 and 12 and chart C). This tendency was more marked amongst candidates with high average GCSE/GNVQ scores per entry. Tables 11 and 12 show that amongst candidates with an average GCSE/GNVQ score per entry of 6 or more, 23 per cent of male candidates and 18 per cent of female candidates achieved a GCE A/AS level score of 30 or more.

**CHART B:**  
Candidates attempting different combinations of GCE A/AS subjects



**CHART C:**  
Gender



## Definitions

**19** The information contained in this bulletin relates to candidates aged 17 at the beginning of the 1999/00 academic year who had attempted at least 2 GCE A levels or AS equivalents by the end of the 1999/00 academic year. The GCSE/GNVQ achievements cover the best performance in each subject or qualification taken up to and including 1999/00. The figures exclude 2,460 candidates for whom no GCSE/GNVQ scores could be identified.

**20** The data on examination entries and passes were obtained from the GCSE and GCE awarding bodies. The GCE A level and AS examination results were then merged by the Department's contractor using the candidate's name and date of birth. The results in this bulletin do not include students of the appropriate age who had attempted Advanced GNVQs: such results were included in the post-16 value added pilot referred to in paragraph 4.

**21** The GCE A/AS level point scores for each grade are defined in the following way:

Grade obtained	A level	AS examination
A	10	5
B	8	4
C	6	3
D	4	2
E	2	1

For each candidate, the points for each pass are added together to obtain a total point score and divided by the total number of entries (an AS level is treated as half an entry) to derive the average point score per candidate per entry. Where students fail to achieve a pass grade they score no points. For the purpose of this bulletin, GCE A levels or AS equivalents in general studies have been excluded.

**22** The GCSE point score is defined in a similar way: for GCSE (Short Course) point scores the number of points is divided by two:

Grade obtained	GCSE
A*	8
A	7
B	6
C	5
D	4
E	3
F	2
G	1

The total GCSE point score per candidate is then divided by the number of attempts to derive an average GCSE score per candidate per entry (a GCSE (Short Course) is treated as half an entry) where students fail to achieve a pass grade they score no points.

**23** The points for each GNVQ grade are as follows:

Qualification	Level	Grade	Points
GNVQ Part One	Intermediate	Distinction	15
		Merit	12
		Pass	10
	Foundation	Distinction	8
		Merit	6
		Pass	3
GNVQ Full	Intermediate	Distinction	30
		Merit	24
		Pass	20
	Foundation	Distinction	16
		Merit	12
		Pass	6

The Part One GNVQ is deemed equivalent to 2 GCSEs and the Full GNVQ equivalent to four GCSEs. The points for any candidate are added to their GCSE points, and divided by the appropriate total number of entries to compute an average GCSE/GNVQ score per candidate per entry.

**24.** Each of the tables shows, for each range of average GCSE/GNVQ score per entry, the percentage of candidates obtaining different GCE A/AS level scores. The charts show, for each range of average GCSE/GNVQ score per entry, the median GCE A/AS level score and the upper and lower quartile scores. This provides one indication of the range of GCE A/AS level scores achieved by candidates with a given average GCSE/GNVQ score per entry. Half of the candidates in each average GCSE/GNVQ score range achieve a score between the two quartiles, with a quarter above and a quarter below this range.

**25** The following subjects are classified as sciences for the purposes of tables 8 to 10: mathematics; statistics; biological sciences; chemistry; physics; botany; electronics; engineering; environmental science; geology; science in society; zoology; computer studies; design; design and technology; geometric and engineering drawing; graphics; metalwork; woodwork; home economics. A student counts as having a GCE A/AS level attempt in a science subject if they have attempted a GCE A level or two AS examinations in the above subjects.

## Further information

**26** Enquiries on the contents of this bulletin should be addressed to Analytical Services, Level 5, Department for Education and Employment, Caxton House, Tothill Street, Westminster, London, SW1H 9NF (Tel: 0207 273 5945).

**TABLE 1:**  
GCSE/GNVQ and GCE A/AS performance of 17 year olds entering 2 or more GCE A/AS examinations  
All establishments

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving								Total candidates
	GCE A/AS scores of								
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35+	
Less than 4	51	24	18	4	3	0	0	0	833
4 to 4.4	48	28	19	4	1	0	0	0	4,656
4.5 to 4.9	34	29	26	7	3	0	0	0	15,888
5 to 5.4	18	25	34	14	8	1	0	0	32,072
5.5 to 5.9	7	15	33	22	18	4	1	0	33,860
6 to 6.4	2	7	22	23	31	11	3	1	35,496
6.5 to 6.9	1	2	9	15	36	23	10	3	25,877
7 to 7.4	0	0	2	6	24	31	24	13	18,602
7.5 to 7.9	0	0	0	1	7	20	35	37	7,961
8	0	0	1	1	2	6	26	63	634
Total	10	13	22	15	20	11	6	4	175,879

**TABLE 2:**  
GCSE/GNVQ and GCE A/AS performance of 17 year olds entering 2 or more GCE A/AS examinations  
All schools

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving								Total candidates
	GCE A/AS scores of								
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35+	
Less than 4	52	26	15	3	3	1	0	0	542
4 to 4.4	48	28	19	4	1	0	0	0	3,003
4.5 to 4.9	34	30	27	7	3	0	0	0	9,999
5 to 5.4	17	25	35	14	7	1	0	0	20,968
5.5 to 5.9	7	15	33	22	18	3	1	0	23,432
6 to 6.4	2	6	22	23	32	11	3	1	25,852
6.5 to 6.9	0	2	9	15	37	24	9	3	19,955
7 to 7.4	0	0	2	6	24	32	24	12	15,197
7.5 to 7.9	0	0	0	1	6	20	36	36	6,954
8	0	0	1	1	2	6	27	63	581
Total	9	12	21	15	21	12	7	4	126,483

**TABLE 3:**  
GCSE/GNVQ and GCE A/AS performance of 17 year olds entering 2 or more GCE A/AS examinations  
All Further Education sector colleges

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving								Total candidates
	GCE A/AS scores of								
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35+	
Less than 4	48	20	23	5	3	0	0	0	281
4 to 4.4	48	27	19	4	1	0	0	0	1,644
4.5 to 4.9	34	29	26	7	3	0	0	0	5,870
5 to 5.4	19	25	32	14	8	1	0	0	11,077
5.5 to 5.9	8	15	32	22	18	4	1	0	10,393
6 to 6.4	3	7	22	23	29	11	3	1	9,609
6.5 to 6.9	1	2	10	16	34	23	11	4	5,912
7 to 7.4	0	0	3	6	23	29	22	16	3,392
7.5 to 7.9	0	0	0	1	8	19	32	40	1,005
8	2	0	4	4	2	9	13	66	53
Total	13	15	24	16	18	8	4	3	49,236

For the definitions underlying the tables see paragraphs 19 to 25 of the text.



**TABLE 4:**  
GCSE/GNVQ and GCE A/AS performance of 17 year olds entering 2 or more GCE A/AS examinations  
All maintained schools

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving GCE A/AS scores of								Total candidates
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35+	
Less than 4	55	26	15	2	1	0	0	0	478
4 to 4.4	49	28	18	3	1	0	0	0	2,820
4.5 to 4.9	34	30	26	7	2	0	0	0	9,330
5 to 5.4	18	26	35	14	7	1	0	0	18,762
5.5 to 5.9	7	16	34	22	18	3	1	0	19,921
6 to 6.4	2	7	23	23	31	10	3	0	20,247
6.5 to 6.9	0	2	10	16	37	23	9	3	14,249
7 to 7.4	0	0	3	6	26	31	22	11	9,389
7.5 to 7.9	0	0	0	2	8	22	35	33	3,334
8	0	0	0	1	2	6	36	56	127
Total	10	14	23	16	20	10	5	3	98,657

**TABLE 5:**  
GCSE/GNVQ and GCE A/AS performance of 17 year olds entering 2 or more GCE A/AS examinations  
All independent schools

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving GCE A/AS scores of								Total candidates
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35+	
Less than 4	27	26	18	11	13	3	2	0	62
4 to 4.4	32	31	24	8	3	1	1	0	177
4.5 to 4.9	27	26	32	10	4	0	0	0	654
5 to 5.4	11	20	38	18	11	1	0	0	2,192
5.5 to 5.9	4	11	30	25	23	4	1	0	3,507
6 to 6.4	1	5	17	23	36	14	3	1	5,606
6.5 to 6.9	0	1	7	13	38	26	11	3	5,713
7 to 7.4	0	0	1	4	21	33	27	13	5,812
7.5 to 7.9	0	0	0	1	5	18	37	39	3,624
8	0	0	1	1	2	6	25	65	454
Total	3	5	13	13	24	18	14	10	27,801

For the definitions underlying the tables see paragraphs 19 to 25 of the text

**TABLE 6:**

GCSE/GNVQ and GCE A/AS performance of 17 year olds entering 2 or more GCE A/AS examinations  
All Further Education sector colleges (excluding sixth form colleges)

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving GCE A/AS scores of							Total candidates	
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34		35+
Less than 4	52	22	19	4	2	0	0	0	202
4 to 4.4	54	23	17	4	2	0	0	0	879
4.5 to 4.9	40	28	23	7	2	0	0	0	2,659
5 to 5.4	23	26	31	13	7	1	0	0	4,463
5.5 to 5.9	10	17	33	20	15	4	1	0	3,850
6 to 6.4	4	9	25	23	26	9	2	0	3,252
6.5 to 6.9	1	3	12	17	35	20	8	4	1,808
7 to 7.4	0	1	4	7	22	29	23	15	889
7.5 to 7.9	0	0	0	3	12	18	31	36	213
8	8	0	8	17	0	17	0	50	12
Total	17	17	25	15	15	6	3	2	18,227

**TABLE 7:**

GCSE/GNVQ and GCE A/AS performance of 17 year olds entering 2 or more GCE A/AS examinations  
All sixth form colleges

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving GCE A/AS scores of							Total candidates	
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34		35+
Less than 4	38	14	35	9	4	0	0	0	79
4 to 4.4	42	31	21	4	1	0	0	0	765
4.5 to 4.9	30	30	28	8	3	1	0	0	3,210
5 to 5.4	16	25	33	15	9	1	0	0	6,614
5.5 to 5.9	6	14	32	22	19	5	1	0	6,543
6 to 6.4	2	6	21	23	31	12	4	1	6,357
6.5 to 6.9	1	2	9	15	33	24	12	4	4,104
7 to 7.4	0	0	3	6	23	28	22	17	2,503
7.5 to 7.9	0	0	0	1	7	19	32	41	792
8	0	0	2	0	2	7	17	71	41
Total	10	14	23	16	19	10	5	3	31,008

For the definitions underlying the tables see paragraphs 19 to 25 of the text

**TABLE 8:**  
GCSE/GNVQ and GCE A/AS performance of 17 year olds entering 2 or more GCE A/AS examinations  
Science subjects only

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving							Total candidates	
	GCE A/AS scores of								
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34		35+
Less than 4	58	13	18	5	5	0	0	3	40
4 to 4.4	61	25	11	1	2	1	0	0	354
4.5 to 4.9	50	28	16	4	2	0	0	0	1,194
5 to 5.4	31	26	25	9	6	1	1	0	3,096
5.5 to 5.9	13	21	29	17	14	4	2	0	4,098
6 to 6.4	5	10	21	20	25	11	5	2	5,639
6.5 to 6.9	1	3	11	14	29	22	12	6	5,386
7 to 7.4	0	0	2	6	20	25	27	19	4,730
7.5 to 7.9	0	0	0	1	6	15	34	43	2,419
8	0	0	0	1	3	3	28	65	158
Total	10	11	15	12	18	13	12	9	27,114

**TABLE 9:**  
GCSE/GNVQ and GCE A/AS performance of 17 year olds entering 2 or more GCE A/AS examinations  
Non science subjects only

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving								Total candidates
	GCE A/AS scores of								
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35+	
Less than 4	51	24	19	3	2	0	0	0	621
4 to 4.4	46	28	20	5	1	0	0	0	3,025
4.5 to 4.9	31	29	27	8	3	0	0	0	9,533
5 to 5.4	15	24	35	15	9	1	0	0	17,330
5.5 to 5.9	5	13	32	23	21	4	1	0	16,219
6 to 6.4	1	5	19	23	35	13	3	0	14,473
6.5 to 6.9	0	1	7	14	39	27	10	2	8,813
7 to 7.4	0	0	2	5	25	37	26	6	5,451
7.5 to 7.9	0	0	0	1	7	27	46	18	1,886
8	0	1	4	2	3	14	41	35	139
Total	11	14	23	16	20	10	5	1	77,490

**TABLE 10:**  
GCSE/GNVQ and GCE A/AS performance of 17 year olds entering 2 or more GCE A/AS examinations  
Mixture of science and non science subjects

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving								Total candidates
	GCE A/AS scores of								
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35+	
Less than 4	48	23	17	6	5	1	0	0	172
4 to 4.4	50	29	18	3	1	0	0	0	1,277
4.5 to 4.9	35	29	27	6	2	0	0	0	5,157
5 to 5.4	18	26	35	13	6	1	0	0	11,645
5.5 to 5.9	7	16	35	22	16	3	0	0	13,543
6 to 6.4	2	7	25	24	30	9	2	0	15,384
6.5 to 6.9	0	2	10	17	38	22	8	3	11,678
7 to 7.4	0	0	3	6	25	31	21	14	8,421
8	0	0	0	1	7	20	30	42	3,656
	0	0	1	1	1	4	19	73	337
Total	9	12	22	16	20	11	6	5	71,270

For the definitions underlying the tables see paragraphs 19 to 25 of the text

**TABLE 11:**  
GCSE/GNVQ and GCE A/AS performance of 17 year old males entering 2 or more GCE A/AS examinations

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving GCE A/AS scores of								Total candidates
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35+	
Less than 4	53	23	17	4	2	1	0	0	425
4 to 4.4	49	27	18	3	2	0	0	0	2,632
4.5 to 4.9	35	29	26	7	3	0	0	0	8,784
5 to 5.4	19	25	33	14	8	1	0	0	16,044
5.5 to 5.9	7	15	32	22	19	4	1	0	15,622
6 to 6.4	3	7	20	22	31	12	4	1	15,529
6.5 to 6.9	1	2	8	14	34	25	12	5	10,809
7 to 7.4	0	0	2	4	19	28	26	20	7,402
7.5 to 7.9	0	0	0	1	5	14	32	48	2,960
8	0	0	0	1	1	6	23	67	248
Total	11	14	22	14	18	10	6	5	80,455

**TABLE 12:**  
GCSE/GNVQ and GCE A/AS performance of 17 year old females entering 2 or more GCE A/AS examinations

Average GCSE/GNVQ point score per entry	Percentage of candidates with given GCSE/GNVQ score achieving GCE A/AS scores of								Total candidates
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35+	
Less than 4	49	24	20	4	3	0	0	0	408
4 to 4.4	46	28	20	4	1	0	0	0	2,024
4.5 to 4.9	33	30	27	7	3	0	0	0	7,104
5 to 5.4	17	25	35	14	8	1	0	0	16,028
5.5 to 5.9	7	15	34	23	18	3	1	0	18,238
6 to 6.4	2	7	23	24	31	10	2	0	19,967
6.5 to 6.9	1	2	10	17	38	23	8	2	15,068
7 to 7.4	0	0	2	7	27	33	22	8	11,200
7.5 to 7.9	0	0	0	1	8	23	37	30	5,001
8	0	0	2	1	3	6	28	60	386
Total	8	12	22	16	21	12	6	3	95,424

For the definitions underlying the tables see paragraphs 19 to 25 of the text

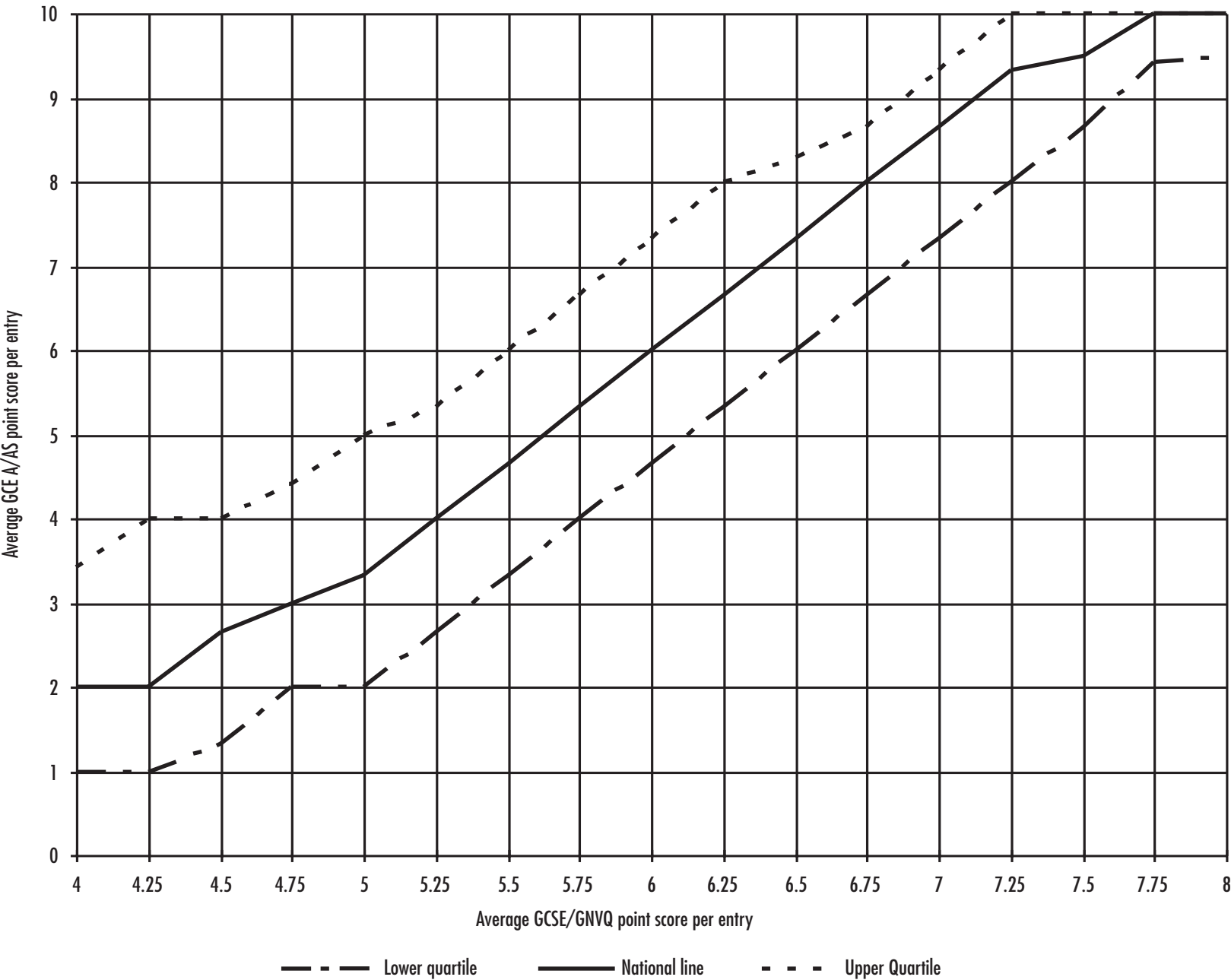
# Annex

This section presents base charts, containing various national pictures, which you may wish to use in the manner described in paragraph 3 to assess your school's or college's value added in relation to national patterns.

Additional subject charts are available on our web site at  
<http://www.dfes.gov.uk/statistics/DB/SBU/index.html>

These charts are available in electronic format from  
Trevor Knight  
(Email : [trevor.knight@dfes.gov.uk](mailto:trevor.knight@dfes.gov.uk)) ( Tel 0207 273 5945)

CHART 1: The National Picture: All institutions



**CHART 1A: The National Picture: All institutions**

**Your institution name**

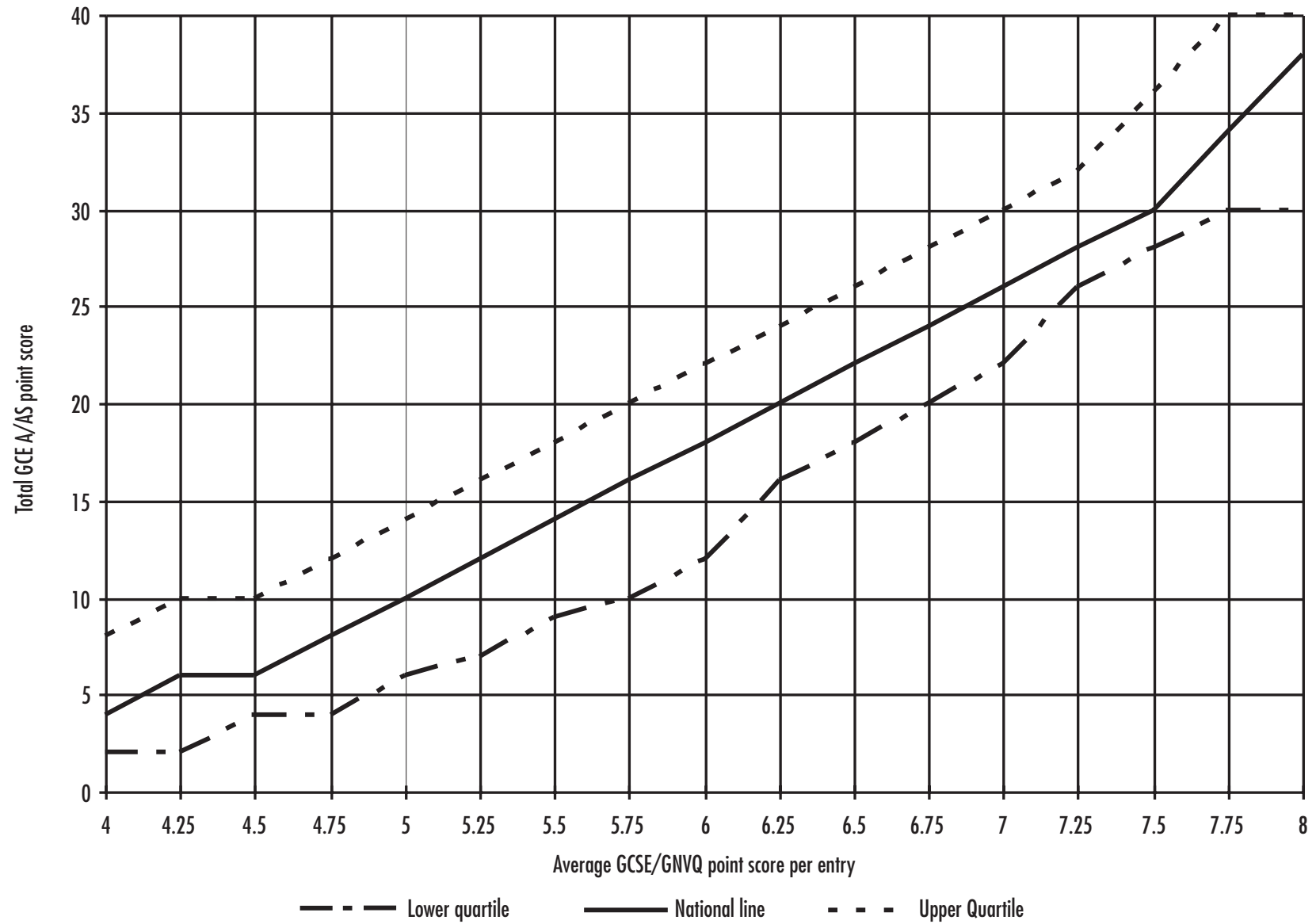
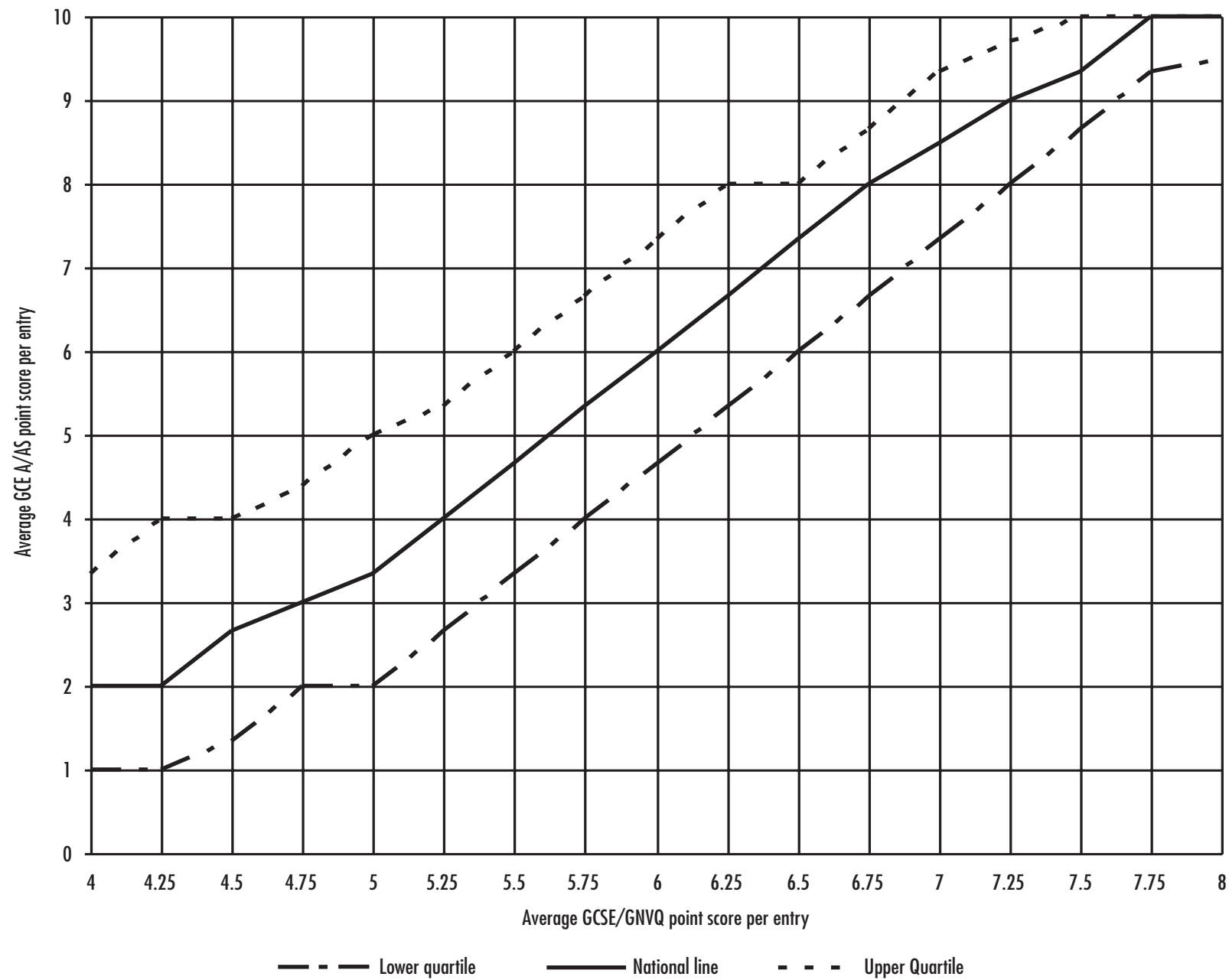
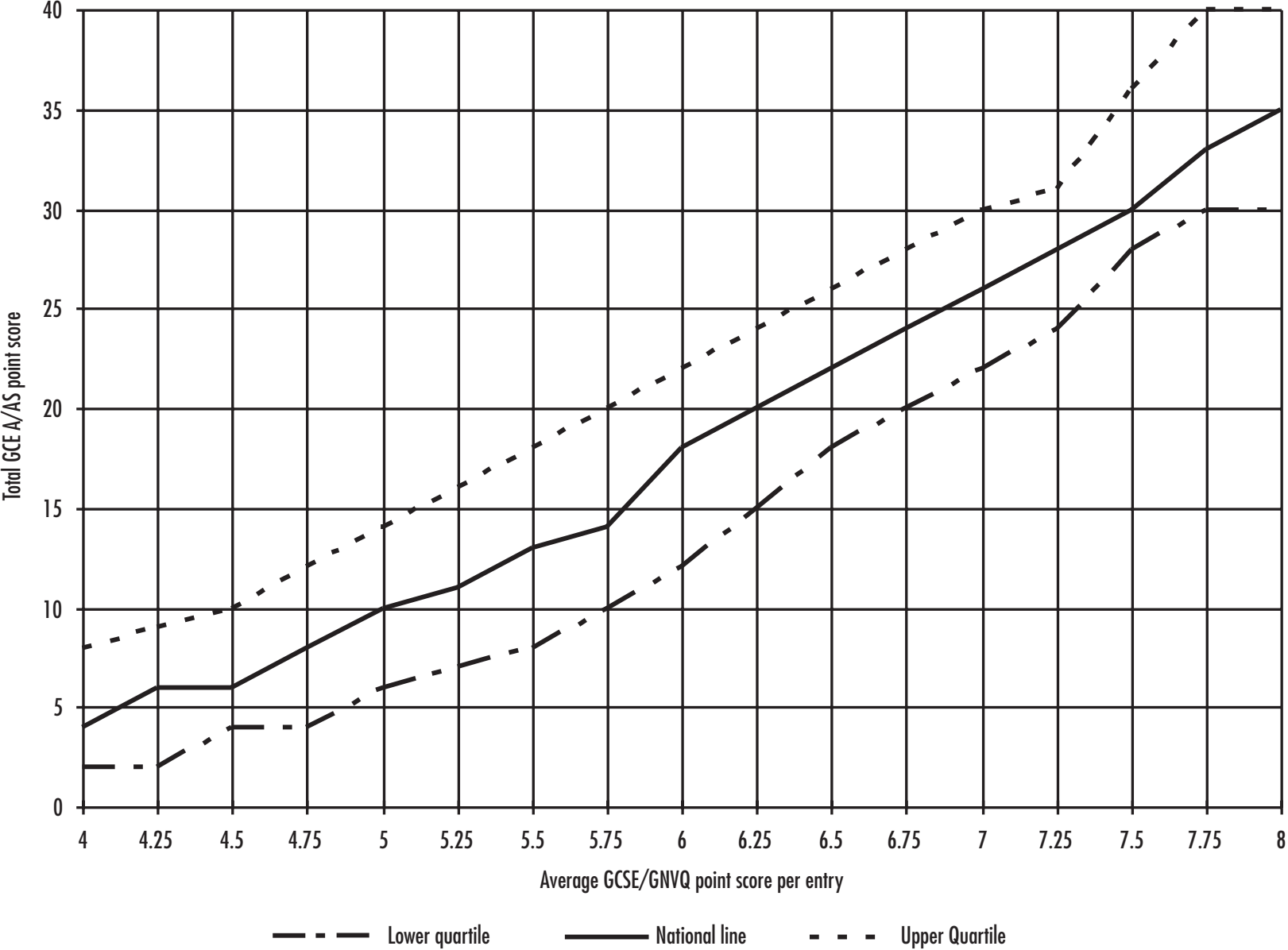


CHART 2: Non selective schools – ‘average GCSE/GNVQ point score per entry’ against ‘average GCE A/AS point score per entry’





**CHART 2A: Non selective schools – ‘average GCSE/GNVQ point score per entry’ against ‘total GCE A/AS point score’**



**CHART 3: Selective schools – ‘average GCSE/GNVQ point score per entry’ against ‘average GCE A/AS point score per entry’**

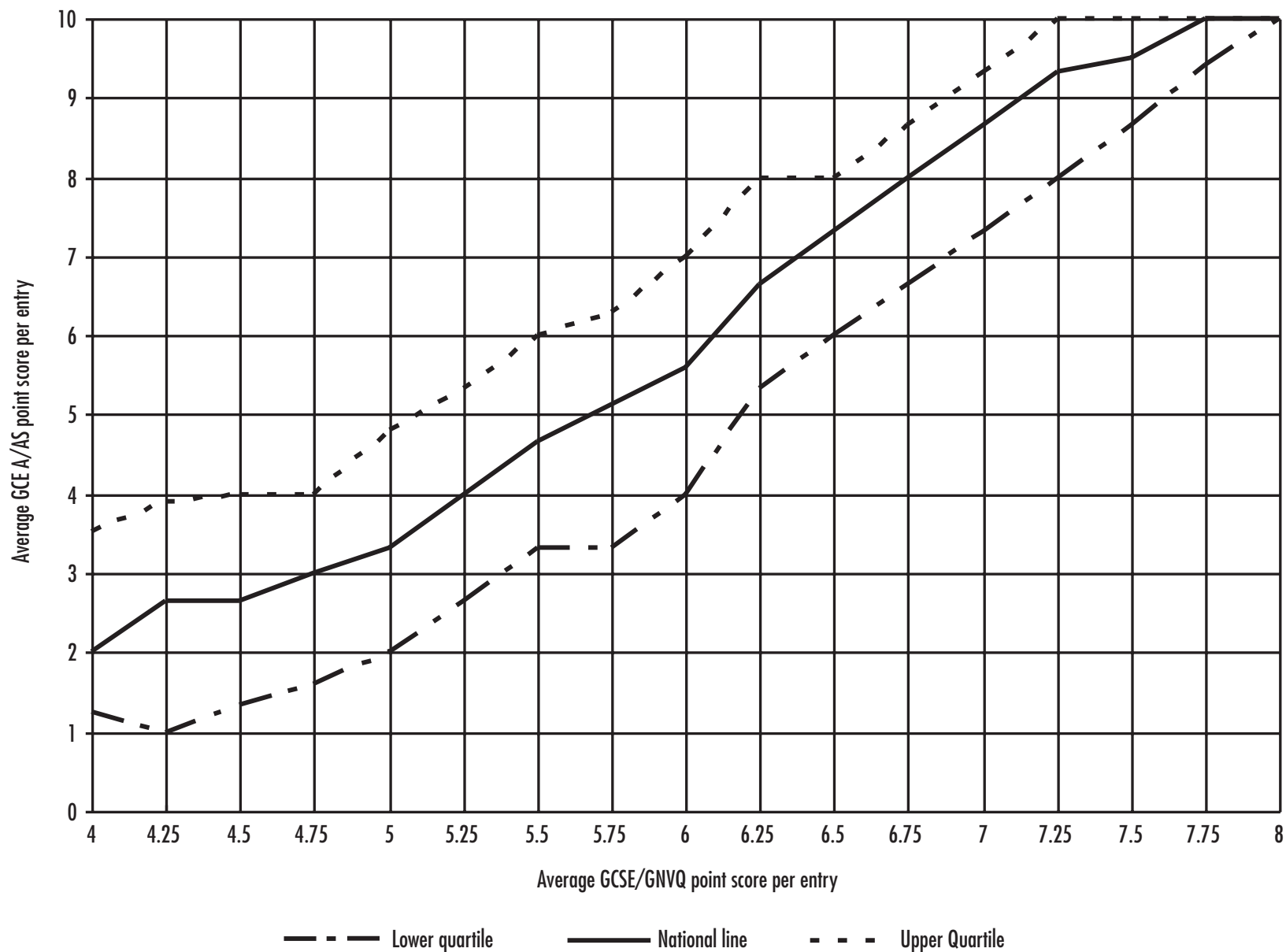
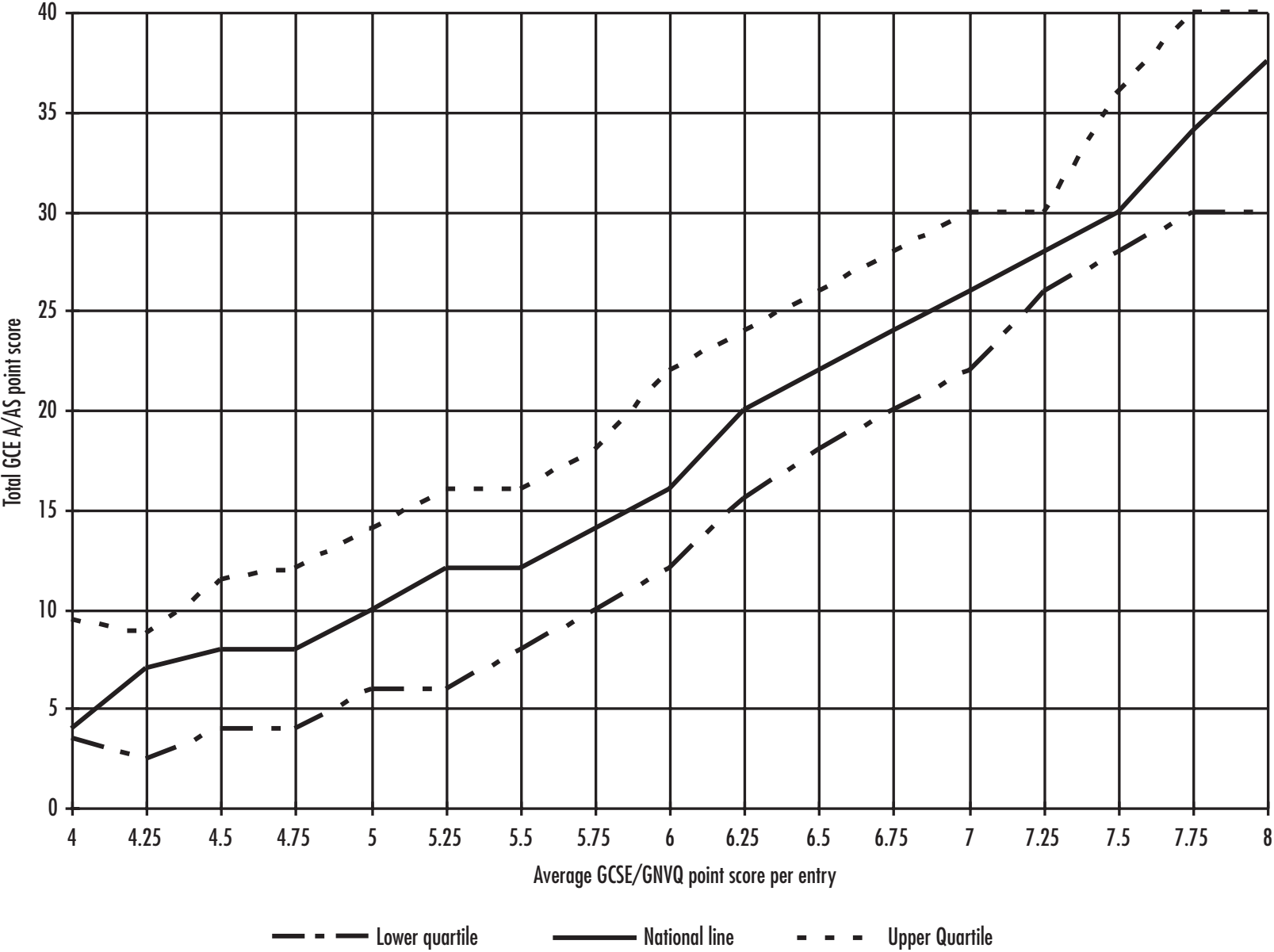
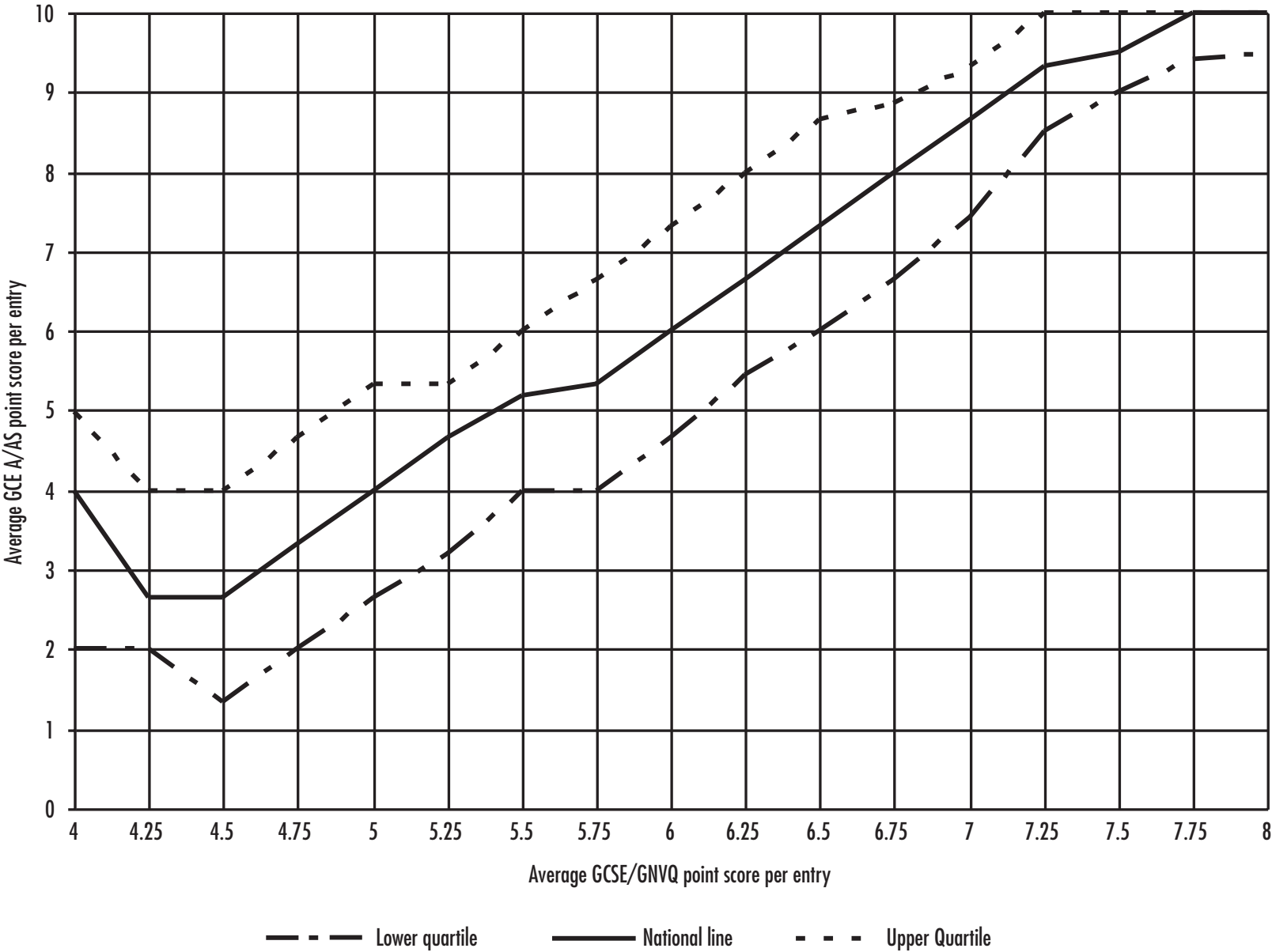


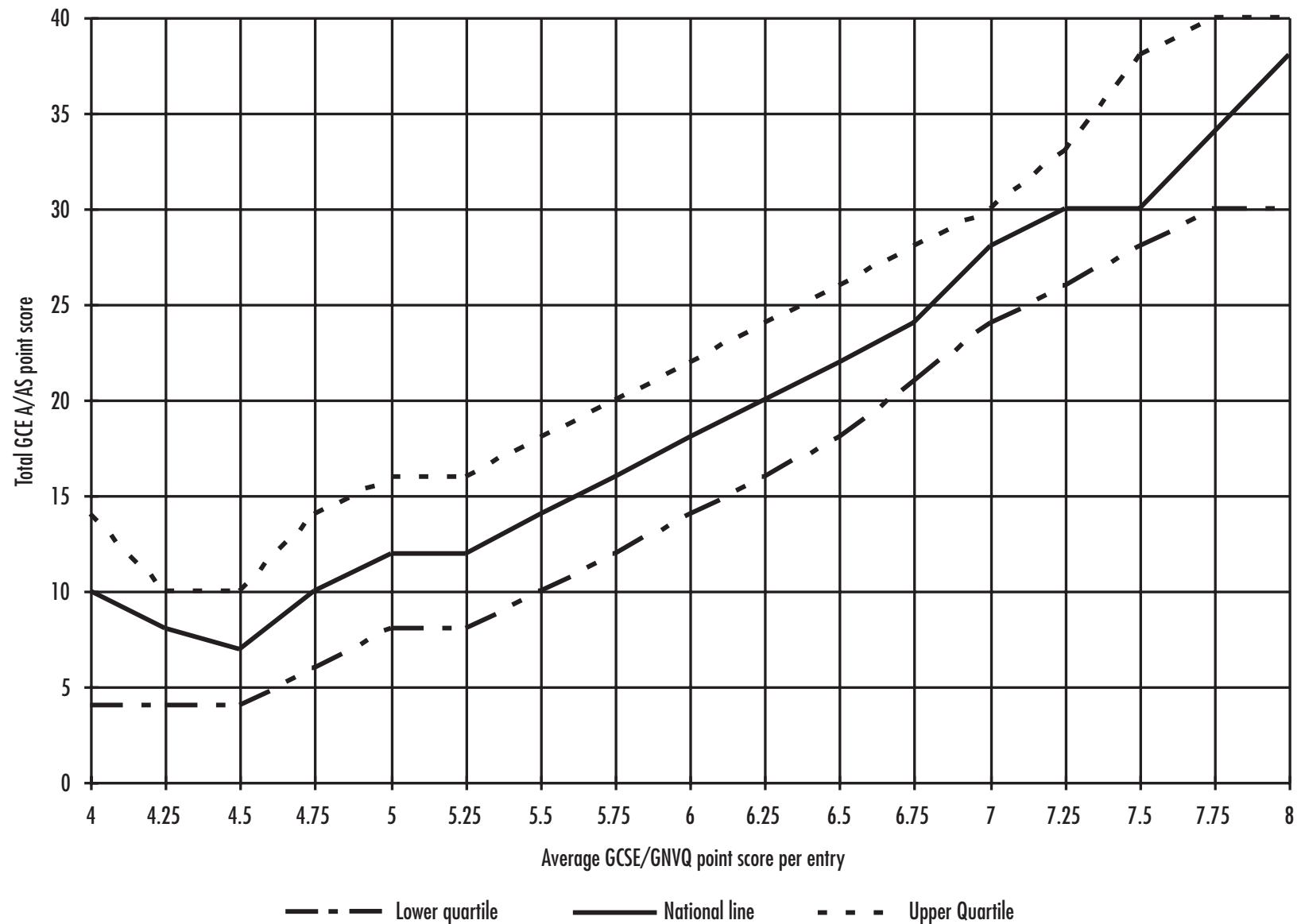
CHART 3A: Selective schools – ‘average GCSE/GNVQ point score per entry’ against ‘total GCE A/AS point score’



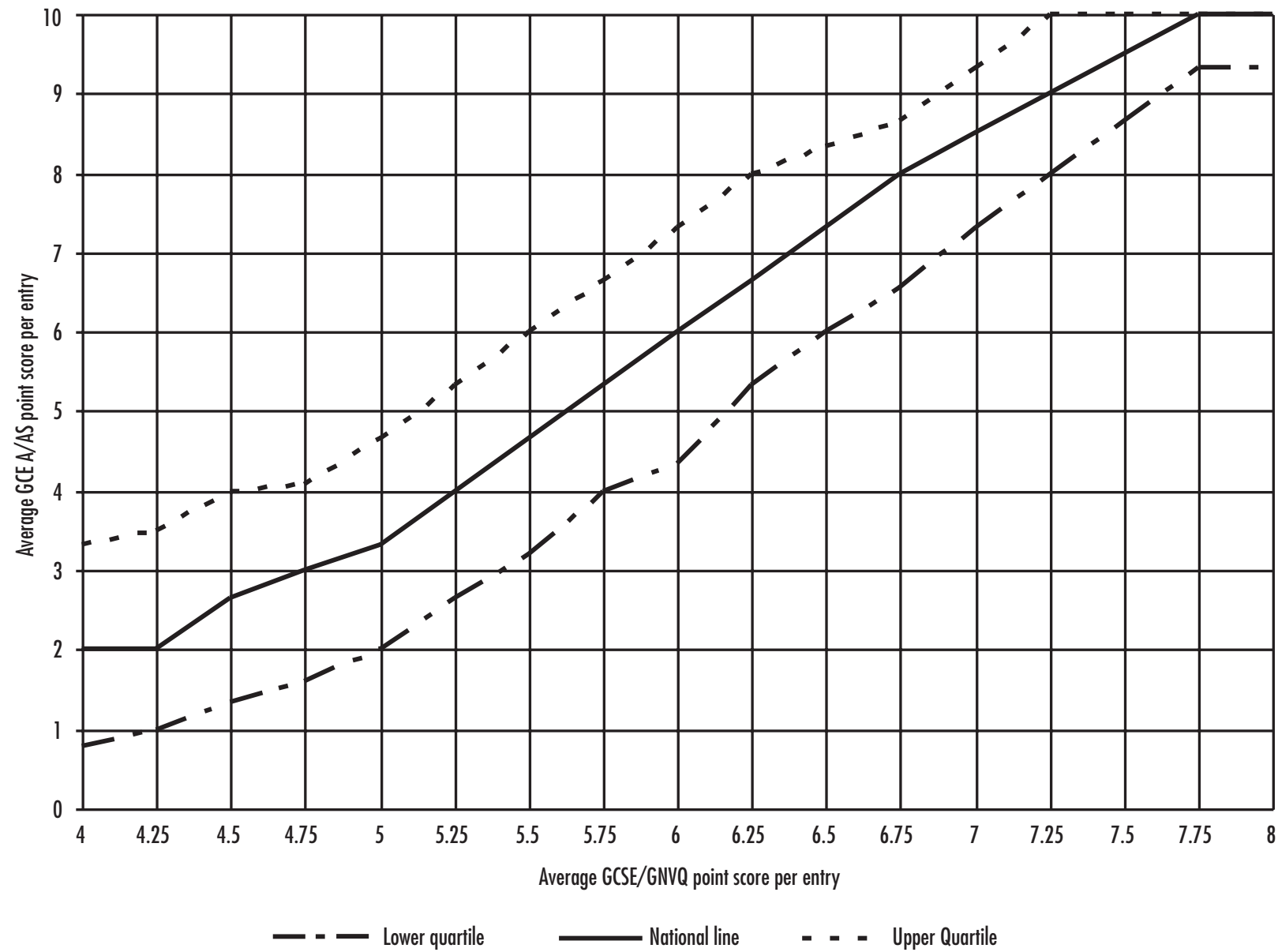
**CHART 4: Independent schools – ‘average GCSE/GNVQ point score per entry’ against ‘average GCE A/AS point score per entry’**



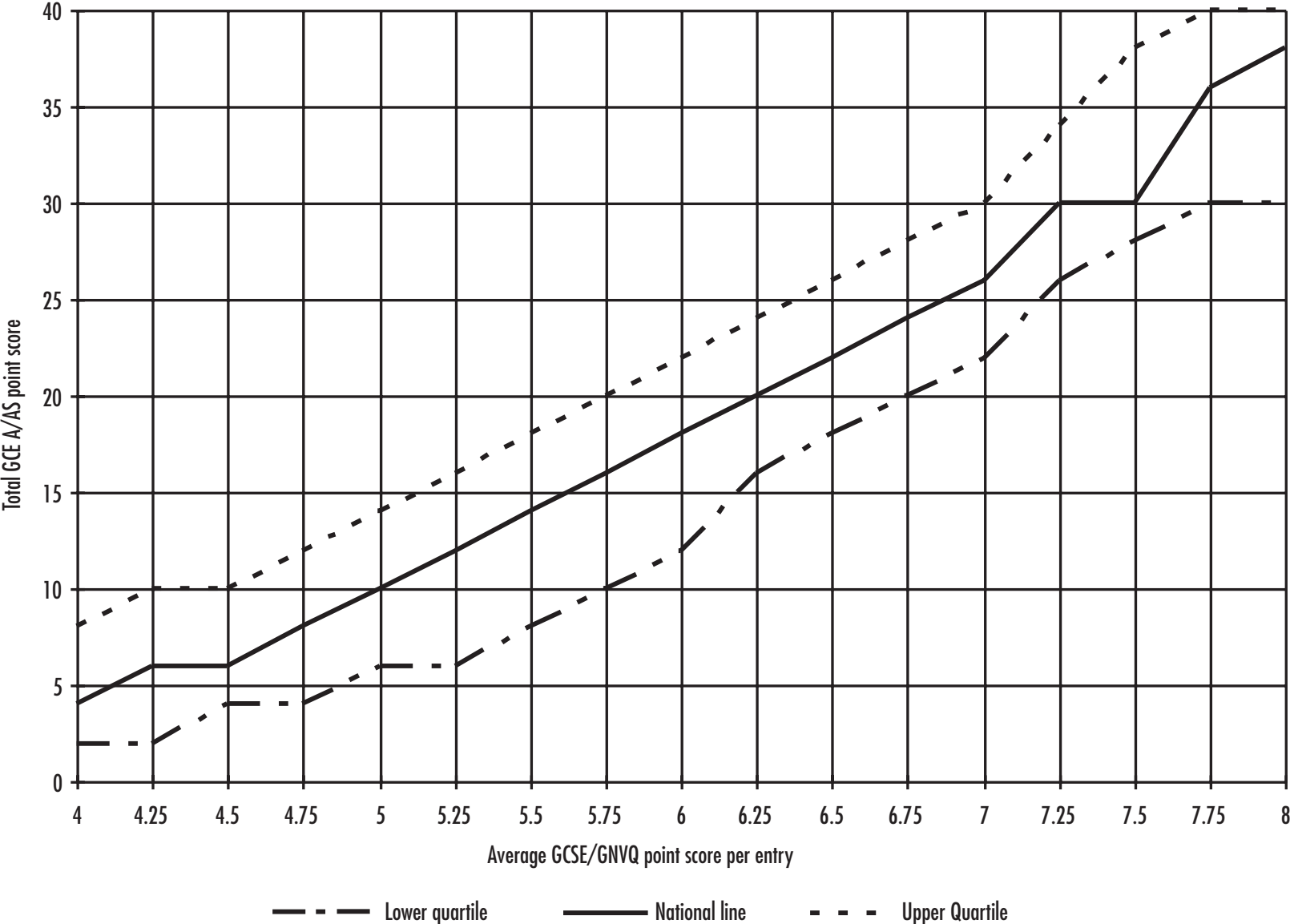
**CHART 4A: Independent schools – ‘average GCSE/GNVQ point score per entry’ against ‘total GCE A/AS point score’**



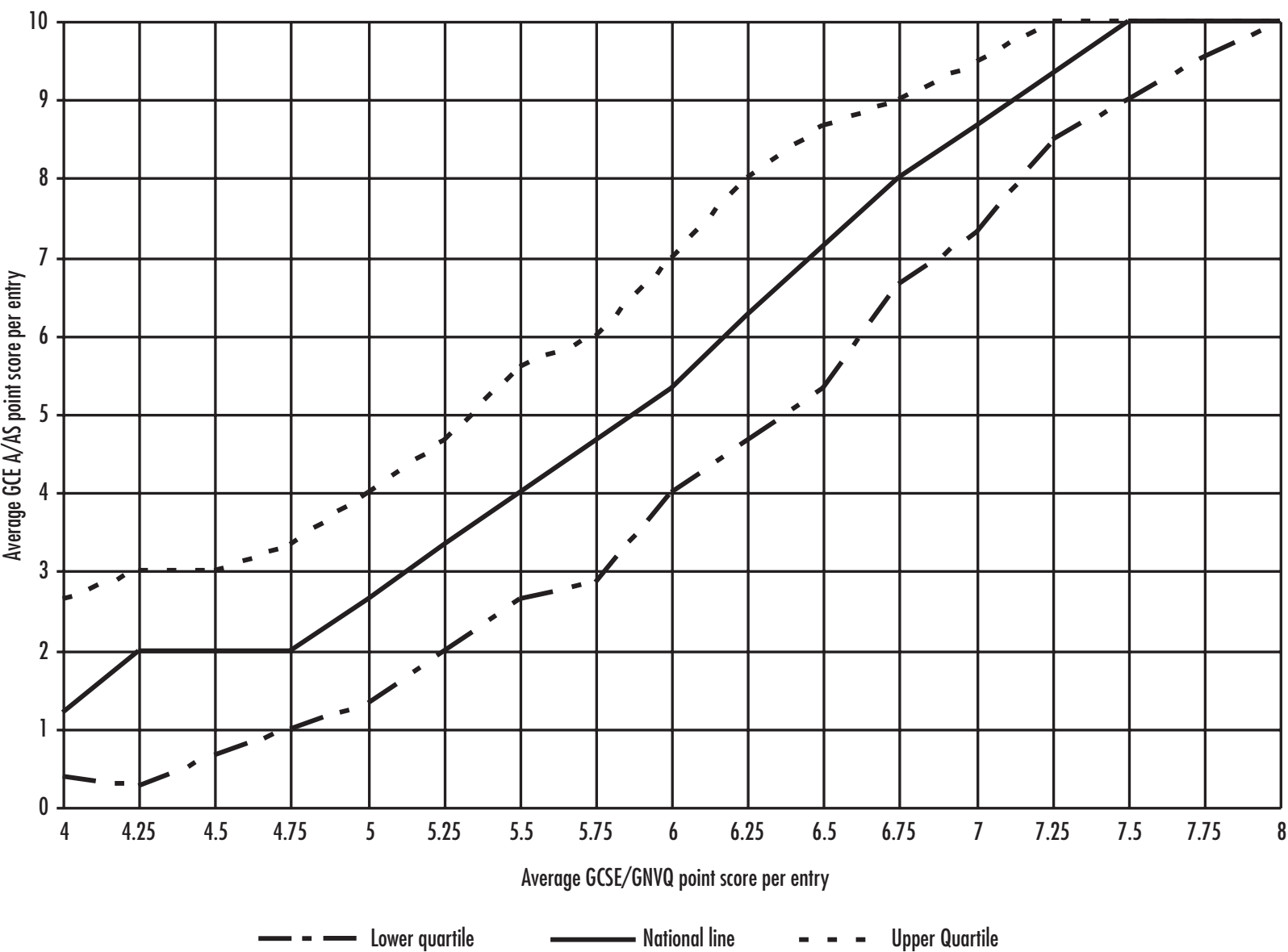
**CHART 5: Further Education sector colleges – ‘average GCSE/GNVQ point score per entry’ against ‘average GCE A/AS point score per entry’**



**CHART 5A: Further Education sector colleges – ‘average GCSE/GNVQ point score per entry’ against ‘total GCE A/AS point score’**

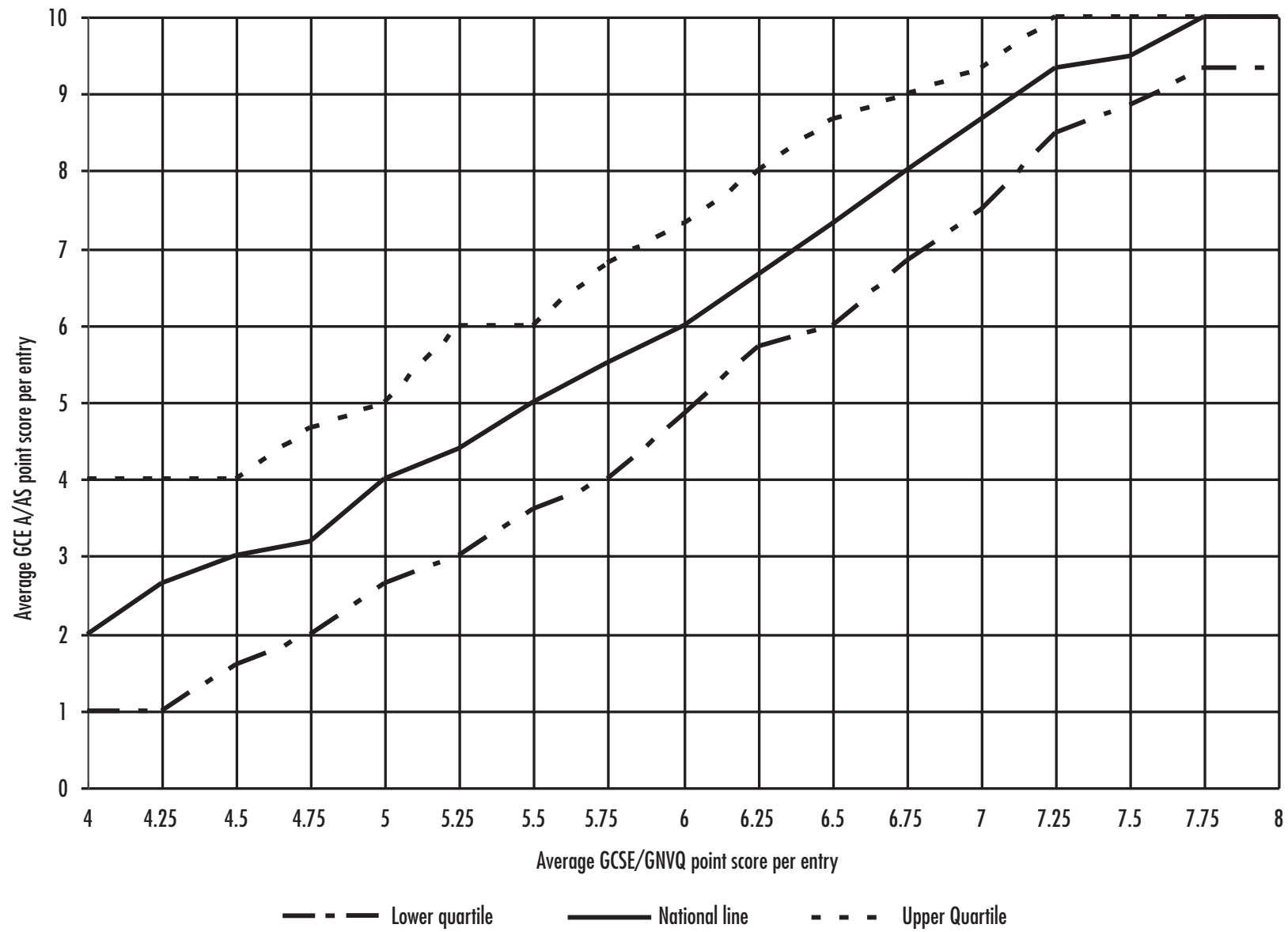


**CHART 6: Candidates attempting GCE A/AS science subjects only – ‘average GCSE/GNVQ point score per entry’ against ‘average GCE A/AS point score per entry’**

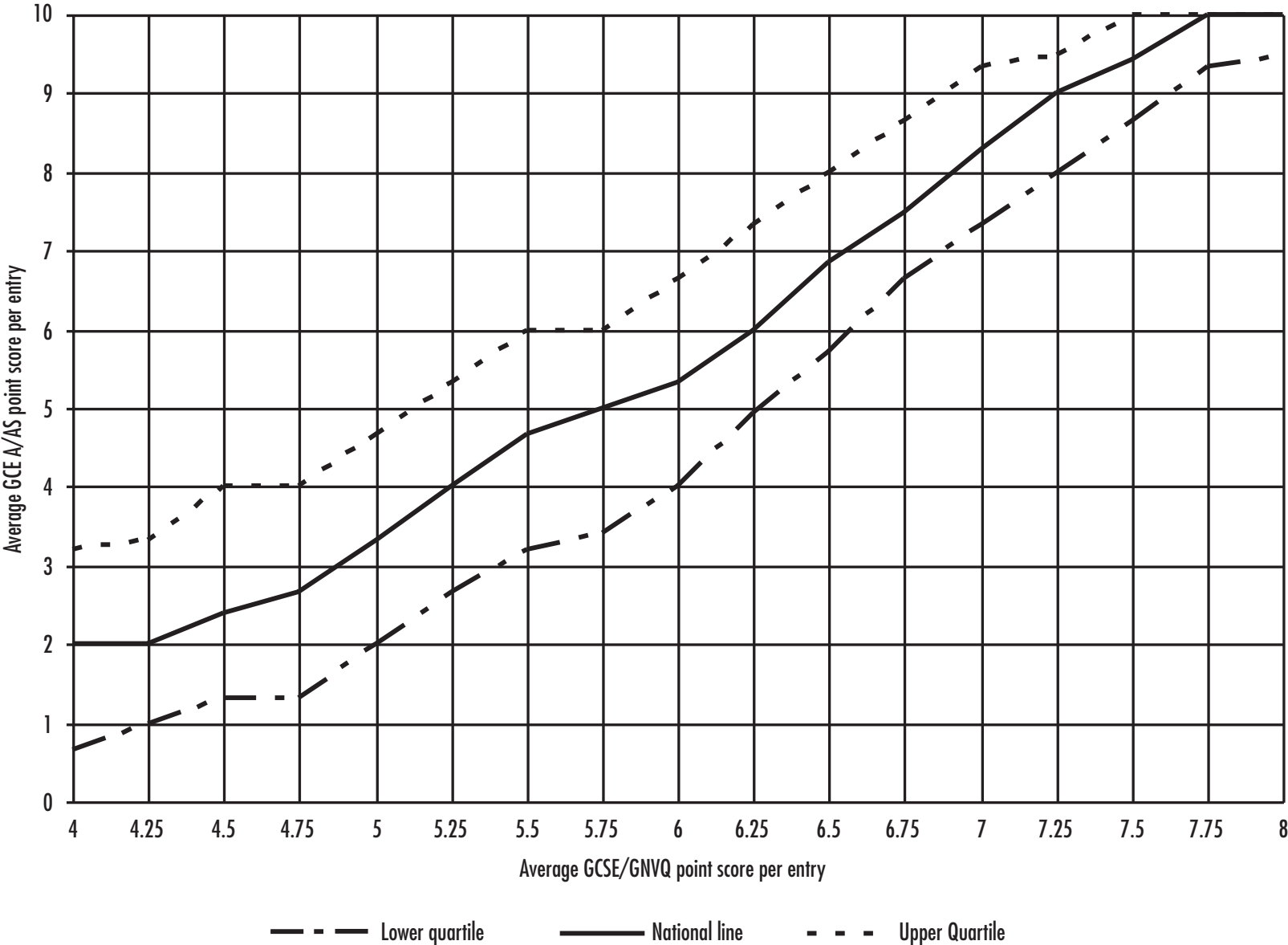




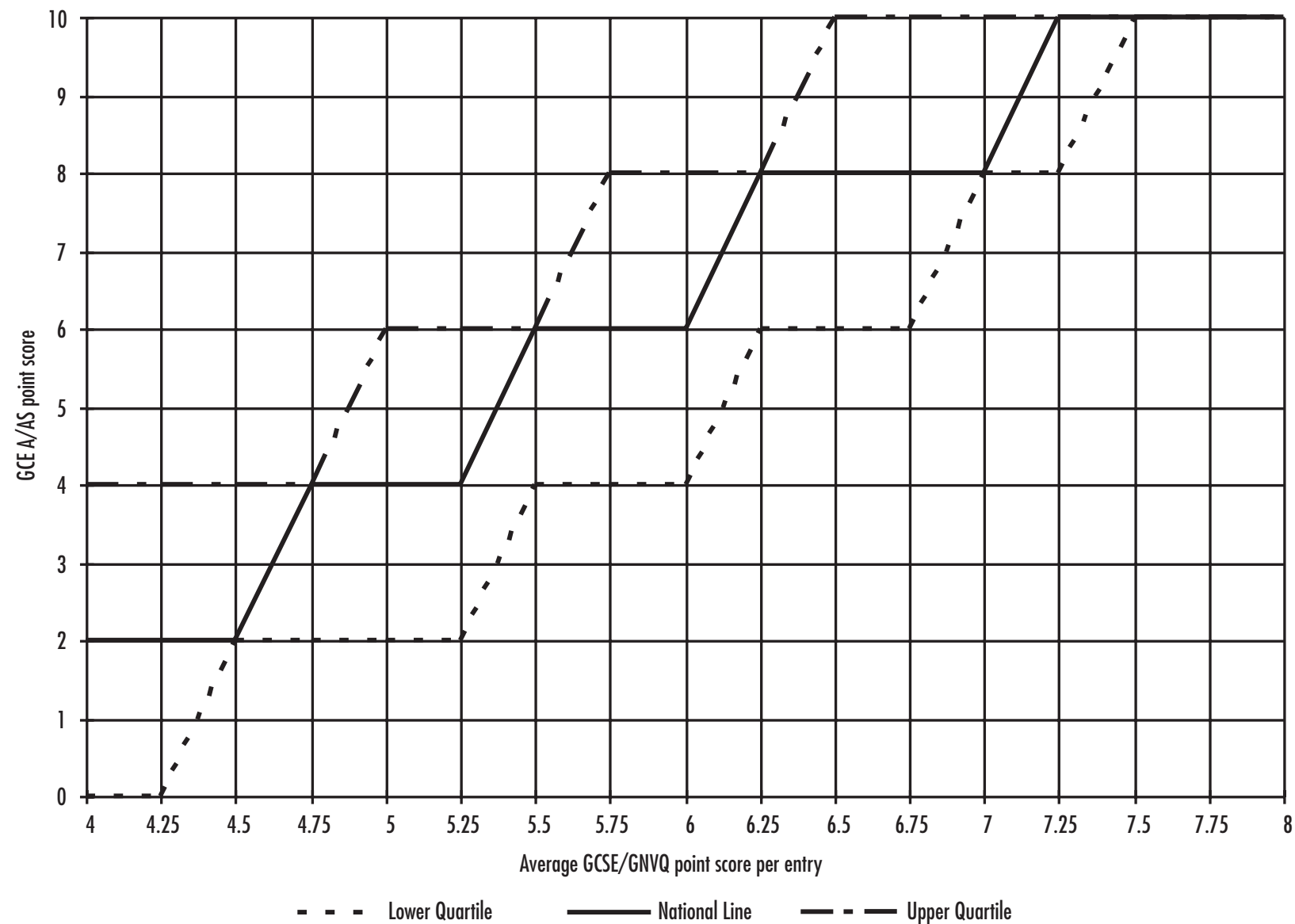
**CHART 7: Candidates attempting GCE A/AS non science subjects only – ‘average GCSE/GNVQ point score per entry’ against ‘average GCE A/AS point score per entry’**



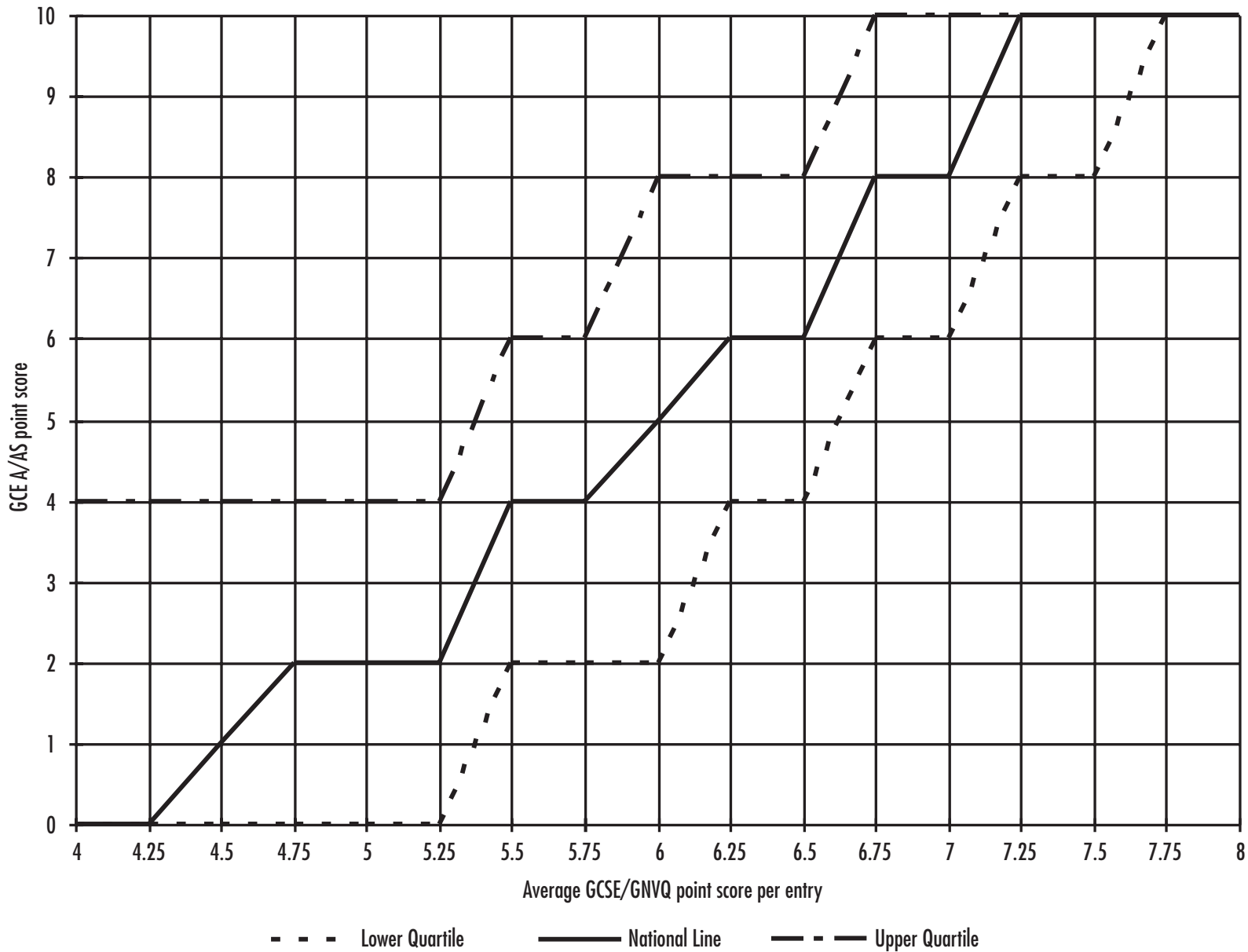
**CHART 8: Candidates attempting a mix of GCE A/AS science and non science subjects – ‘average GCSE/GNVQ point score per entry’ against ‘average GCE A/AS point score per entry’**



**CHART 9: ENGLISH – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’**



**CHART 10: MATHEMATICS – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’**



**CHART 11: PHYSICS – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’**

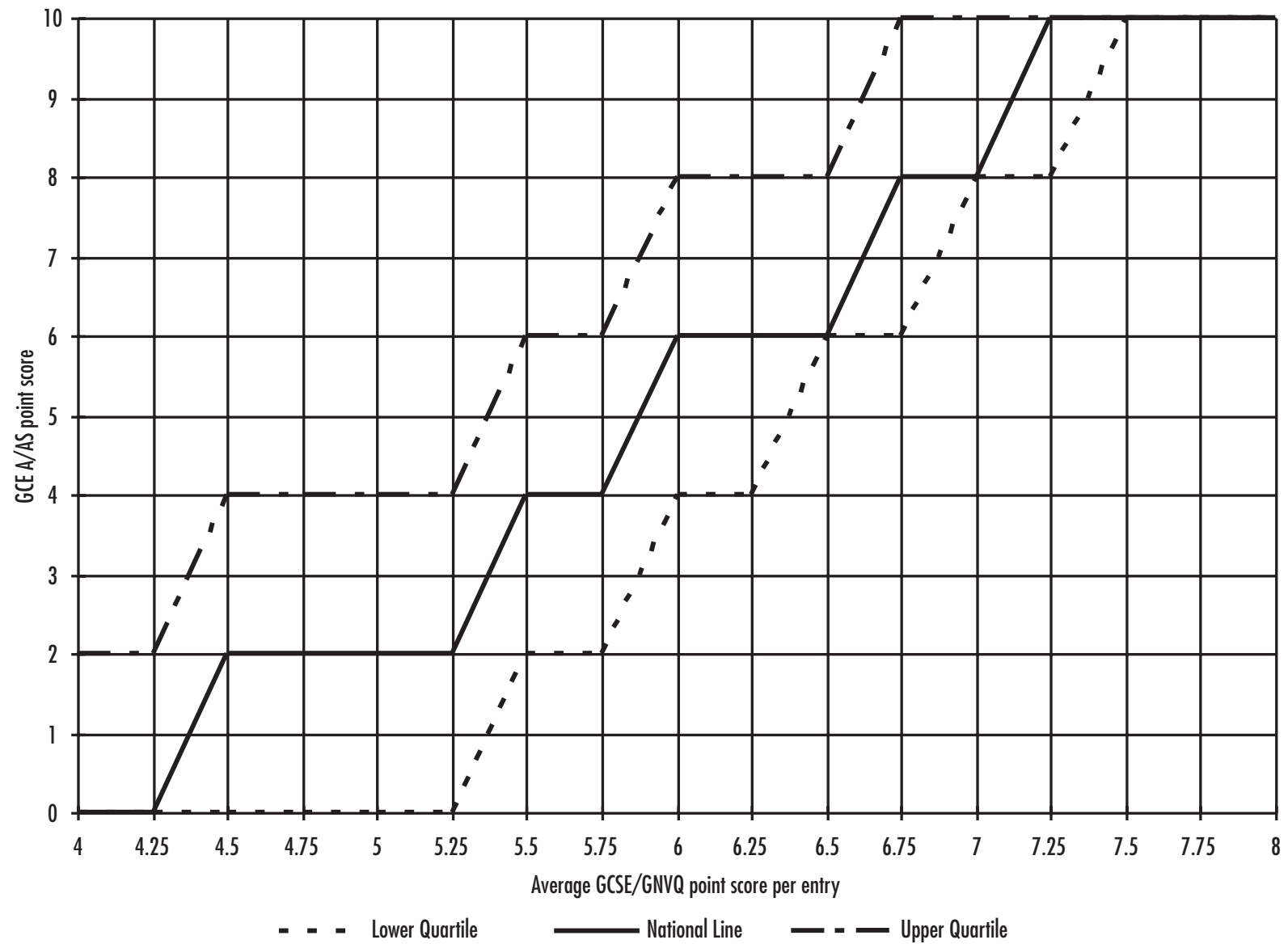
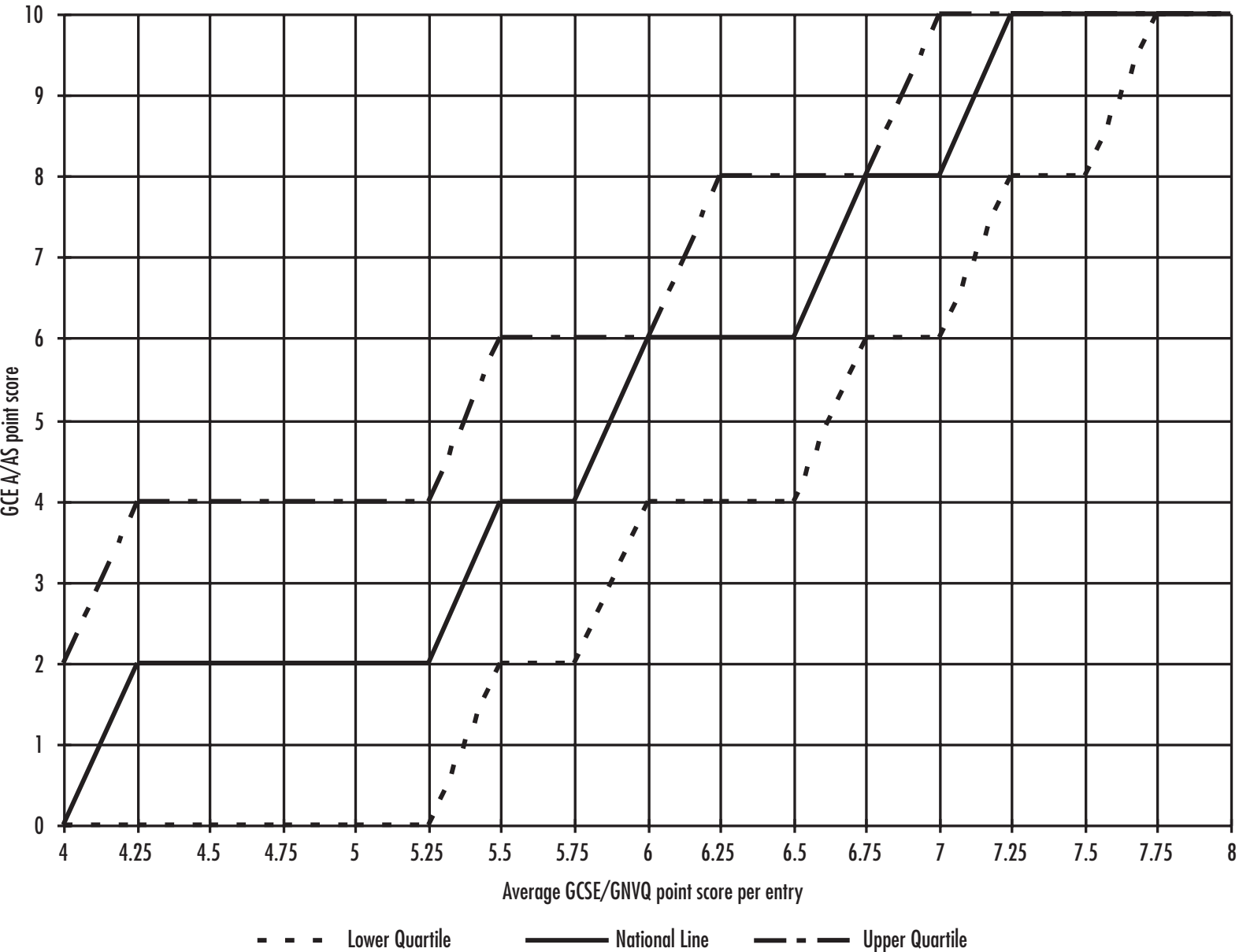
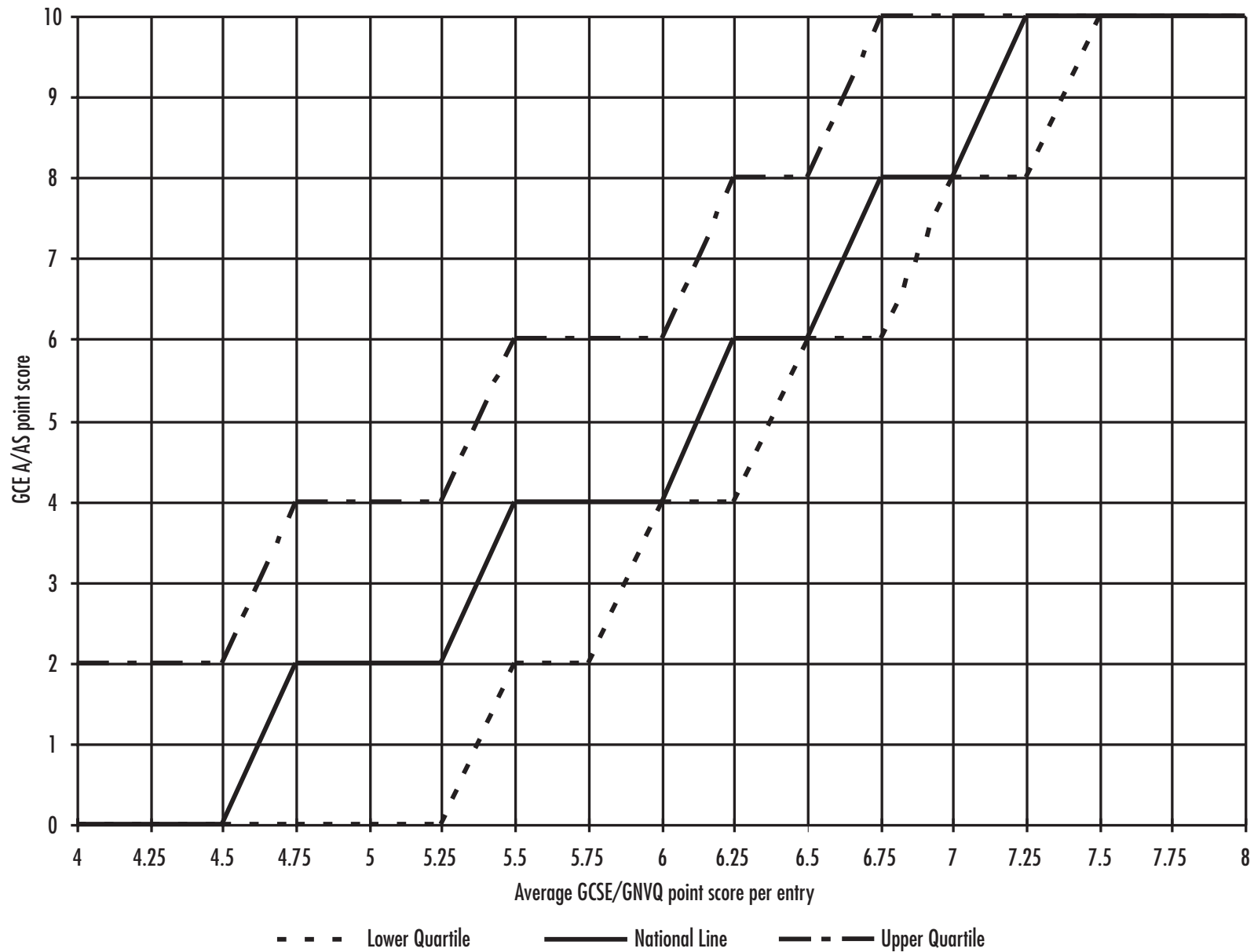


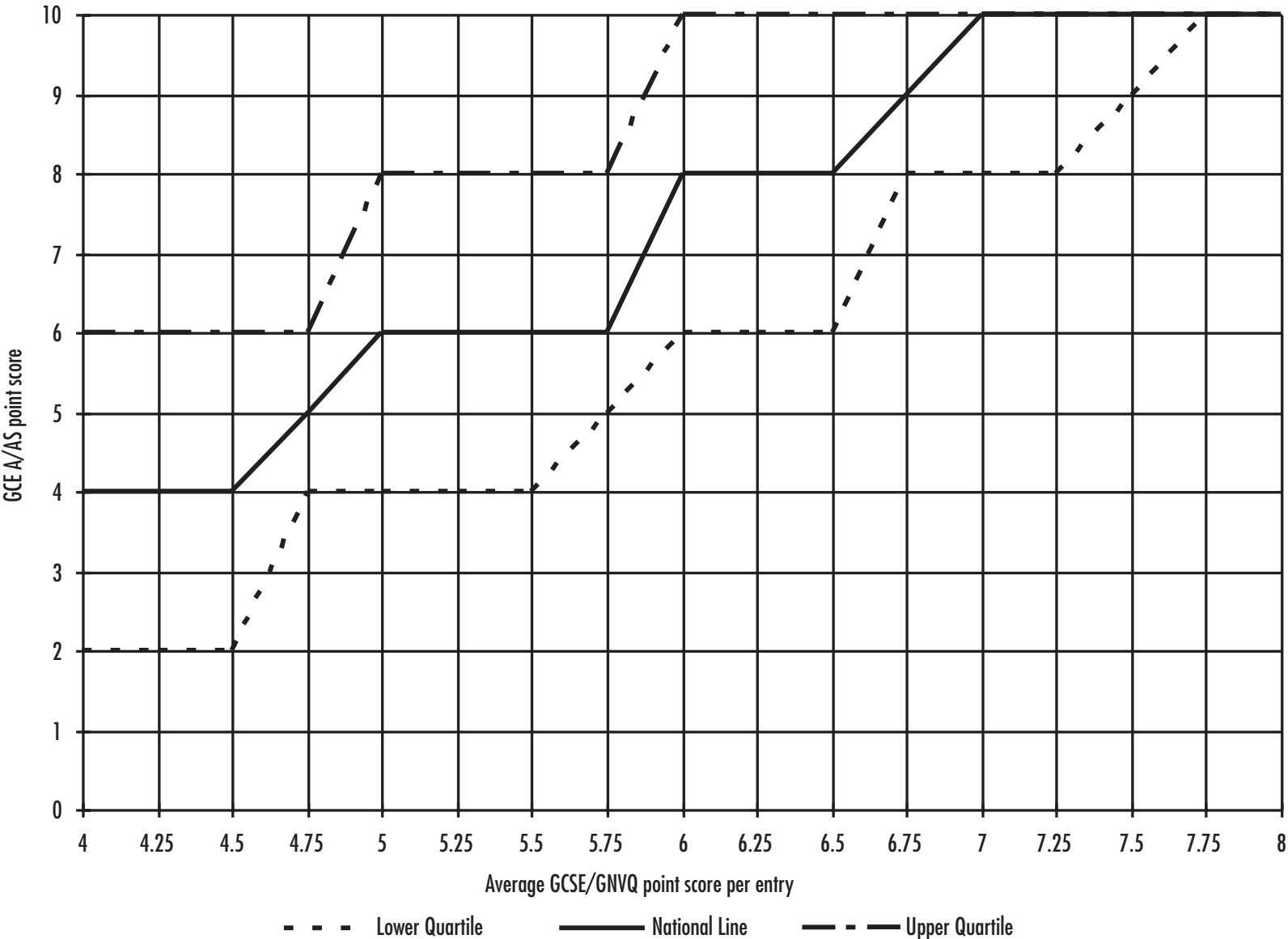
CHART 12: CHEMISTRY – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’



**CHART 13: BIOLOGICAL SCIENCES – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’**

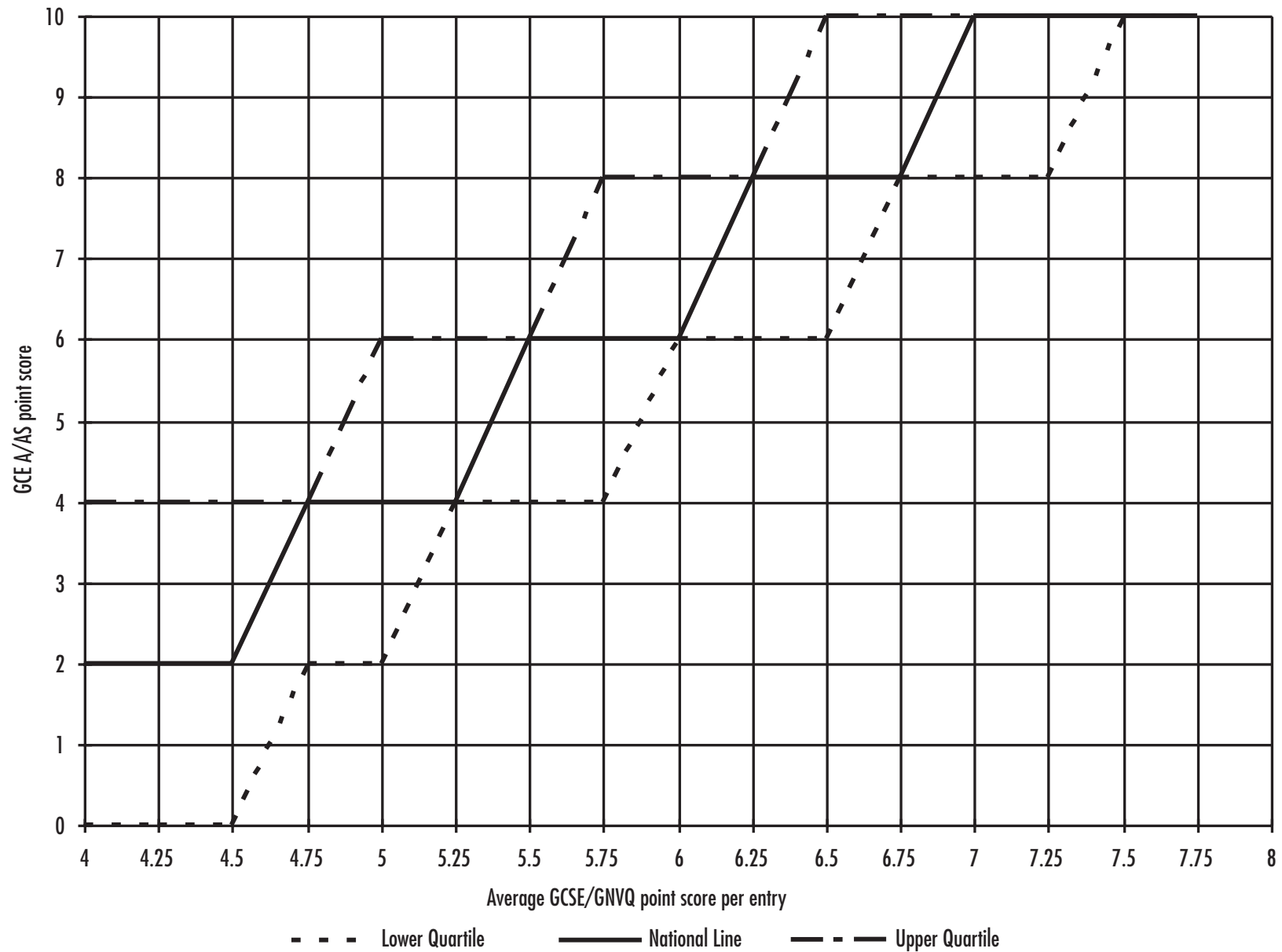


ART – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00

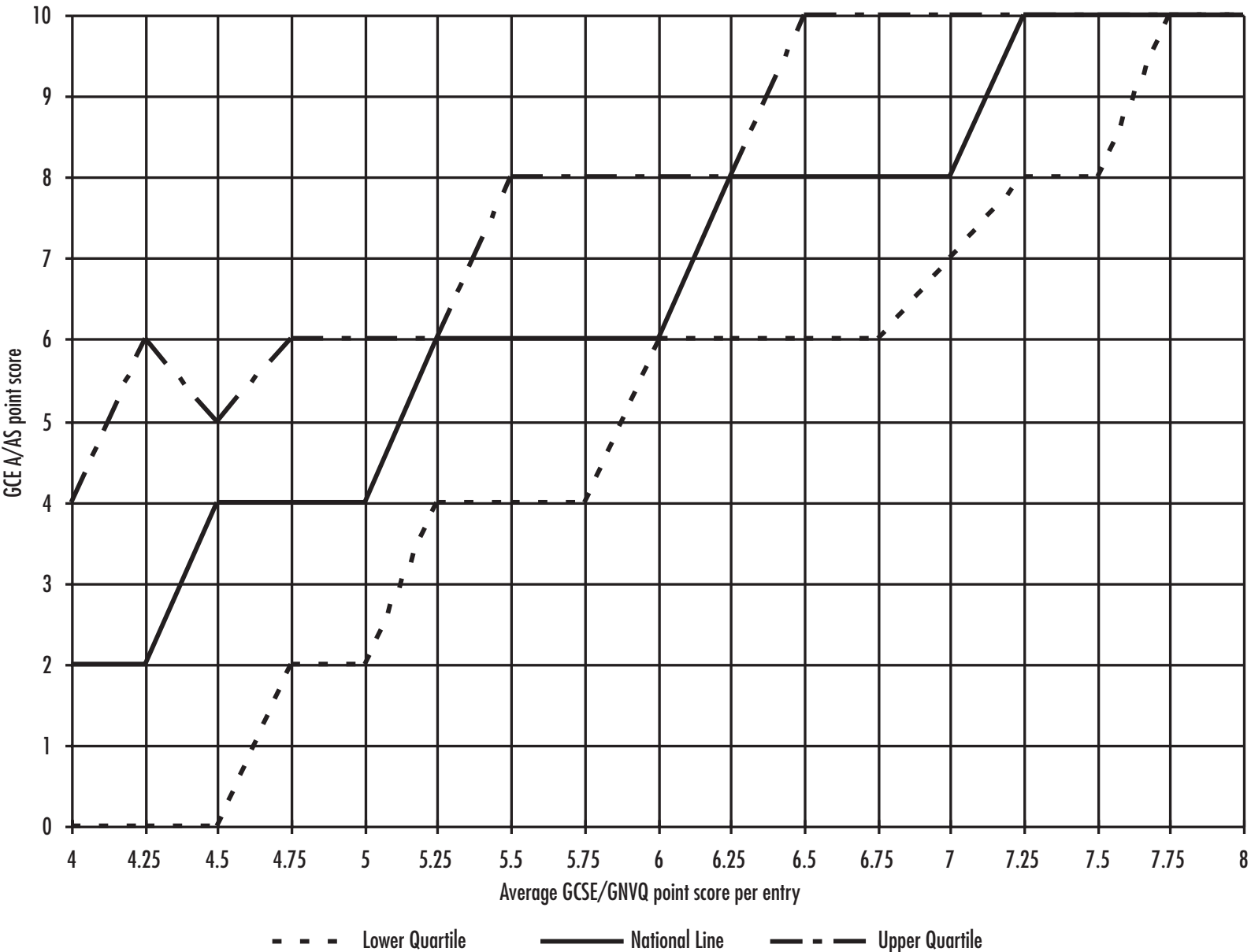




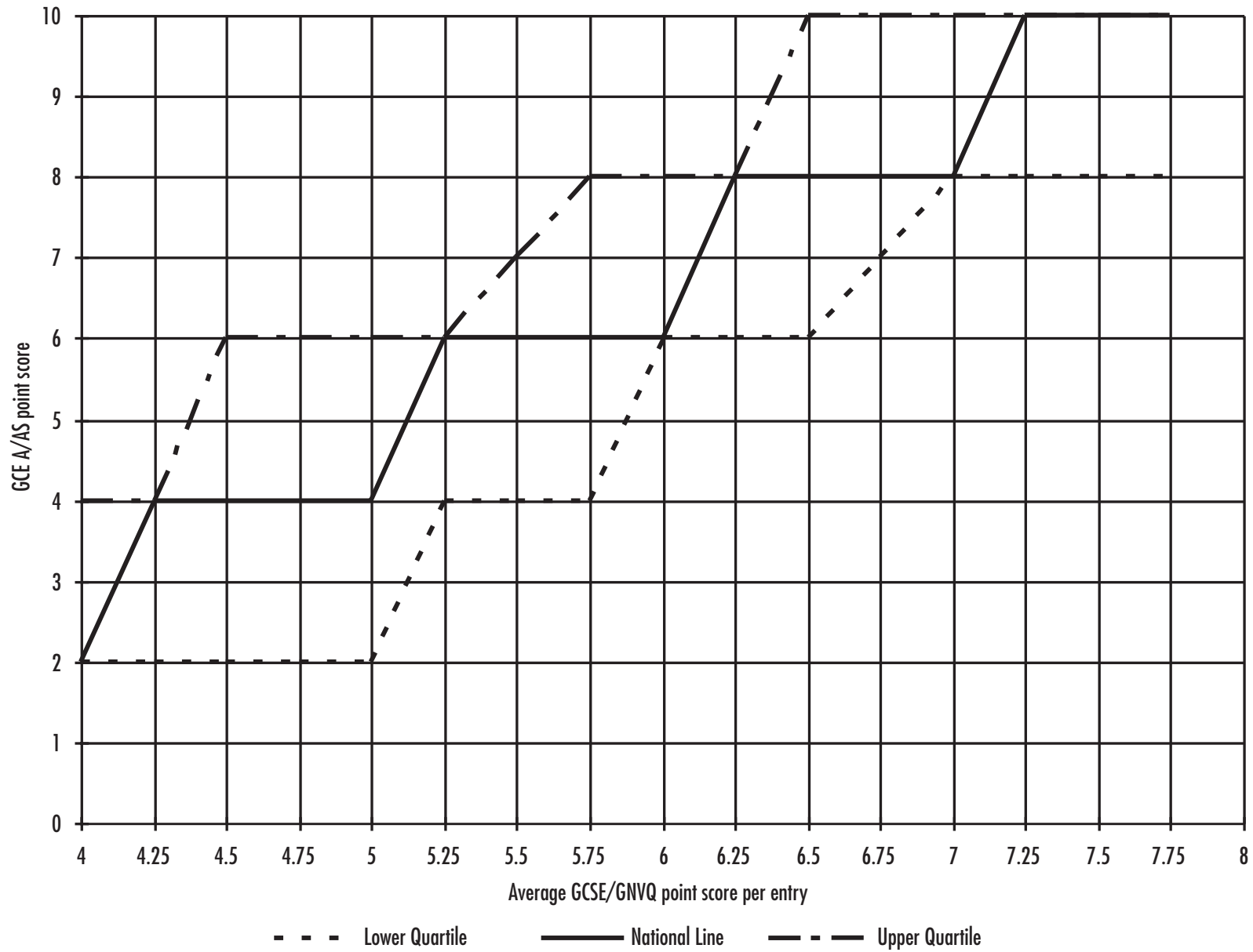
**BUSINESS STUDIES – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00**



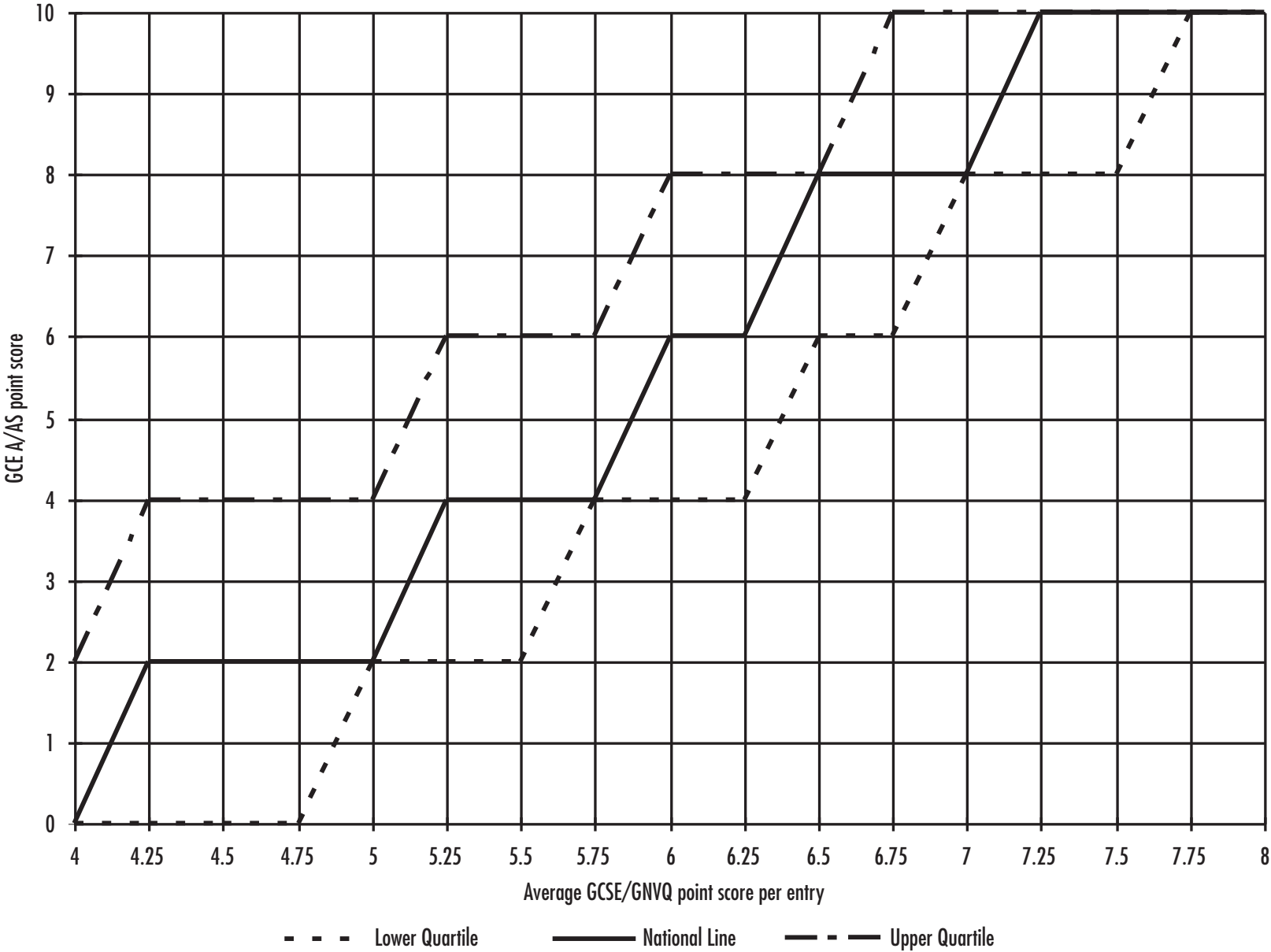
CLASSICAL STUDIES – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00



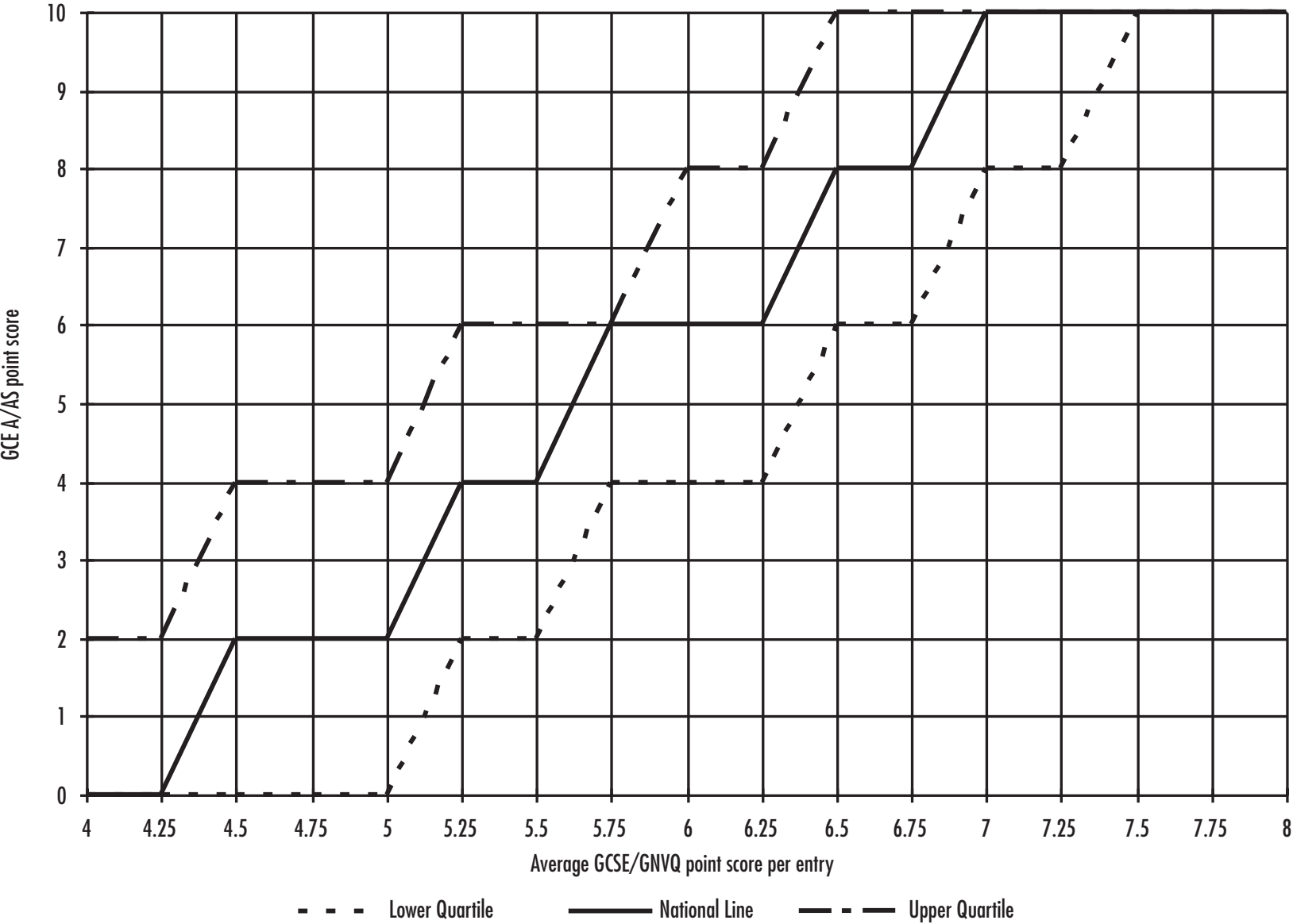
**COMMUNICATION STUDIES – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00**



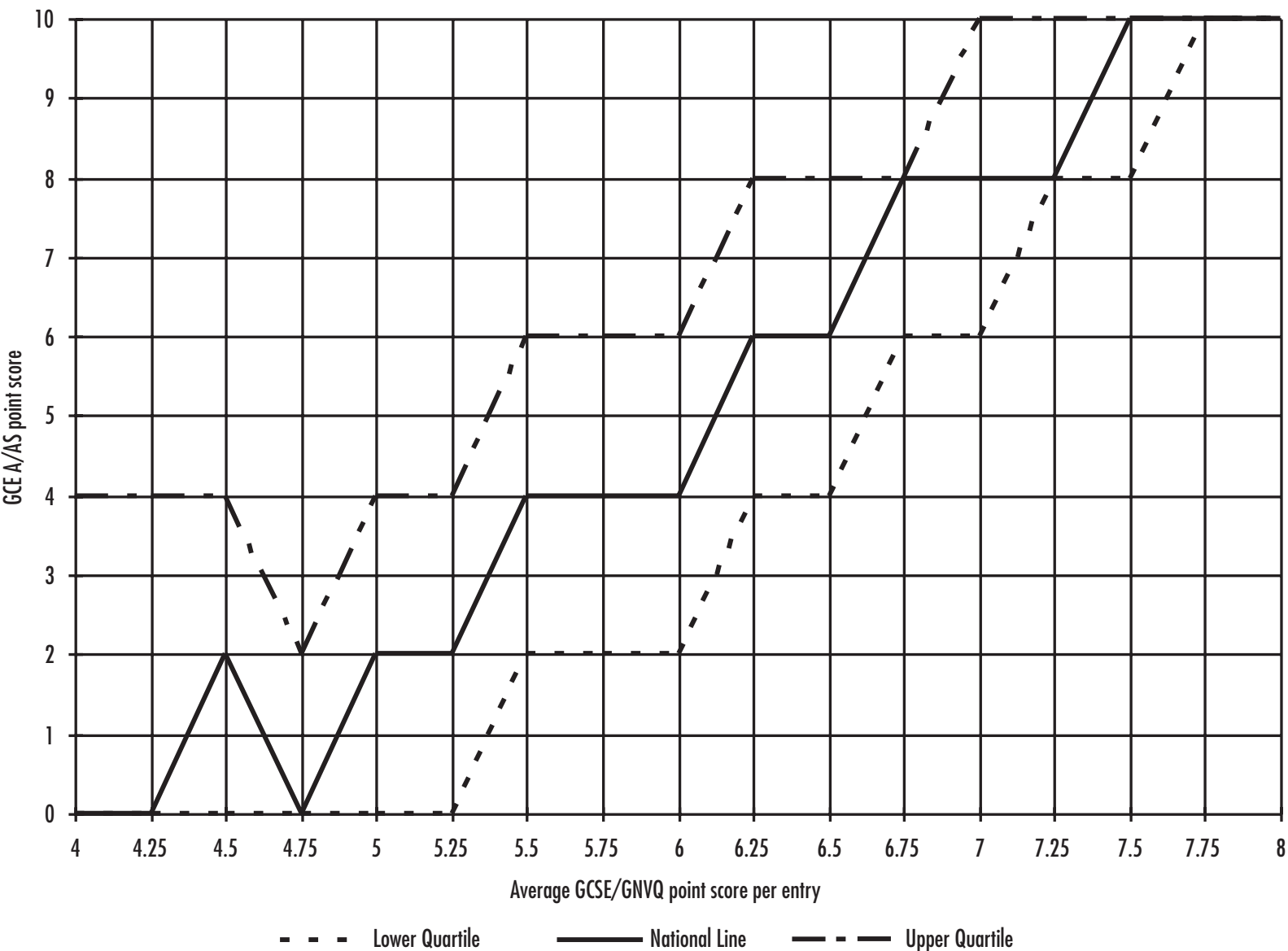
COMPUTER STUDIES – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00



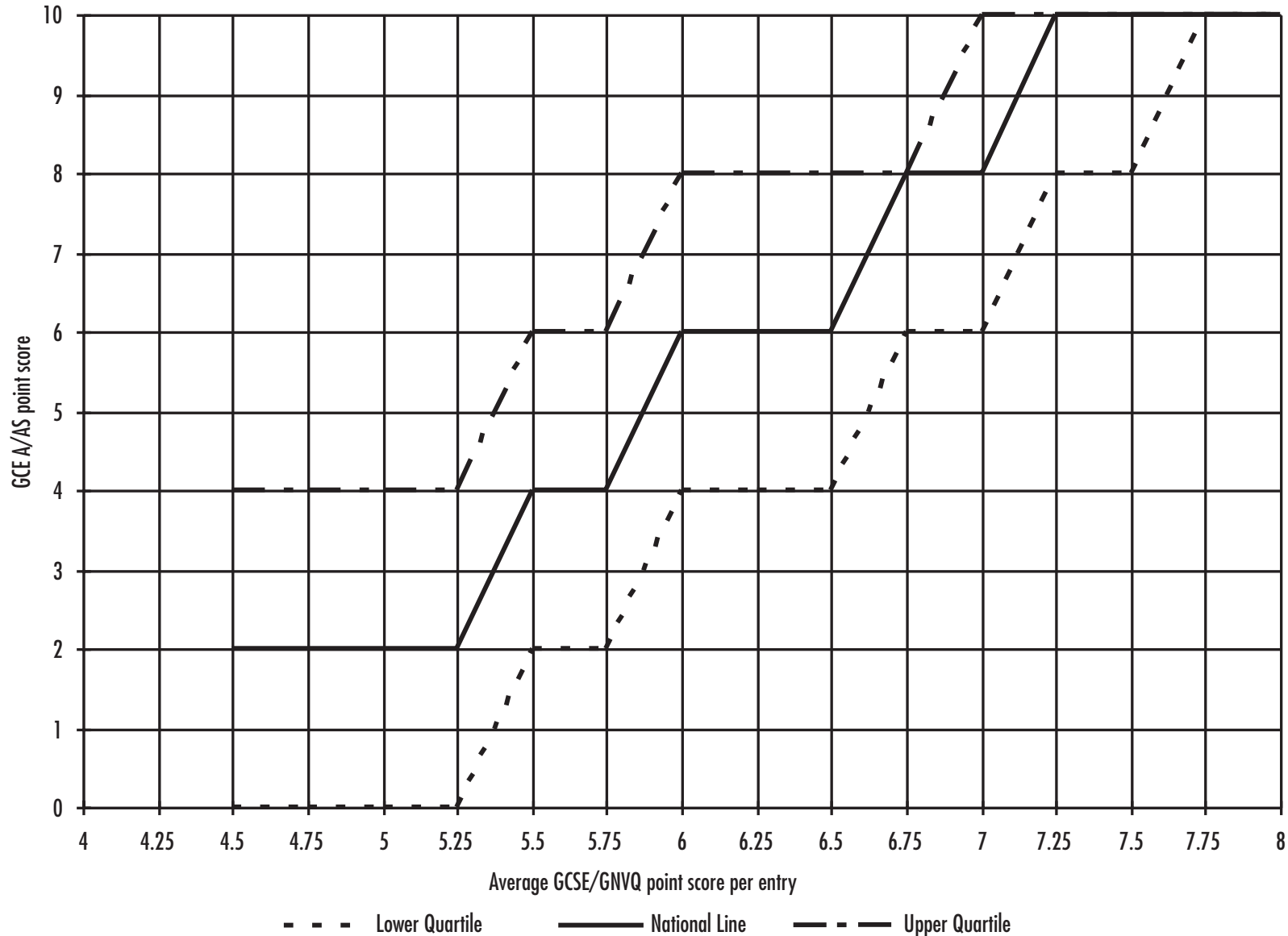
**ECONOMICS – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00**



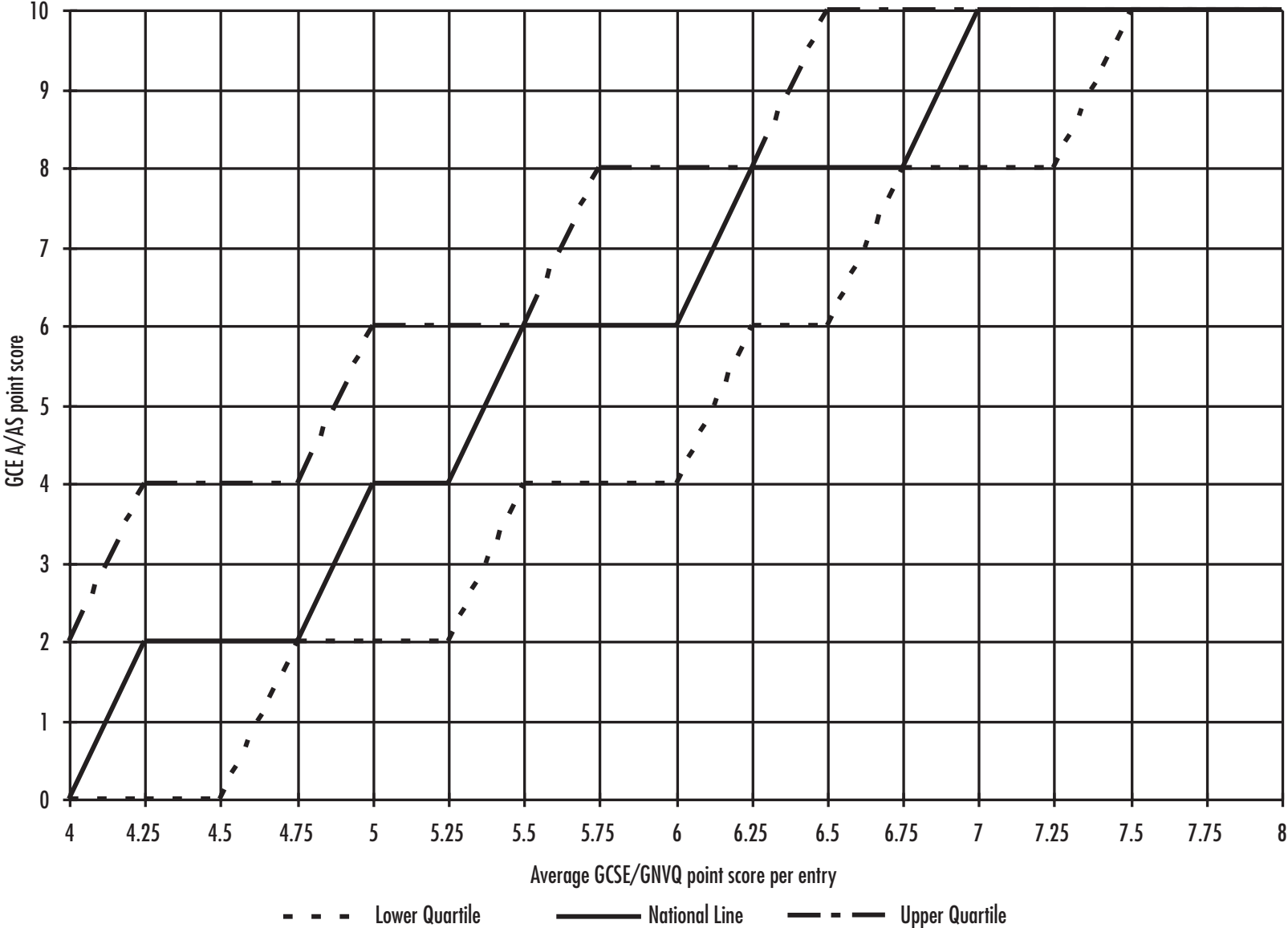
**FRENCH – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00**



GERMAN – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00

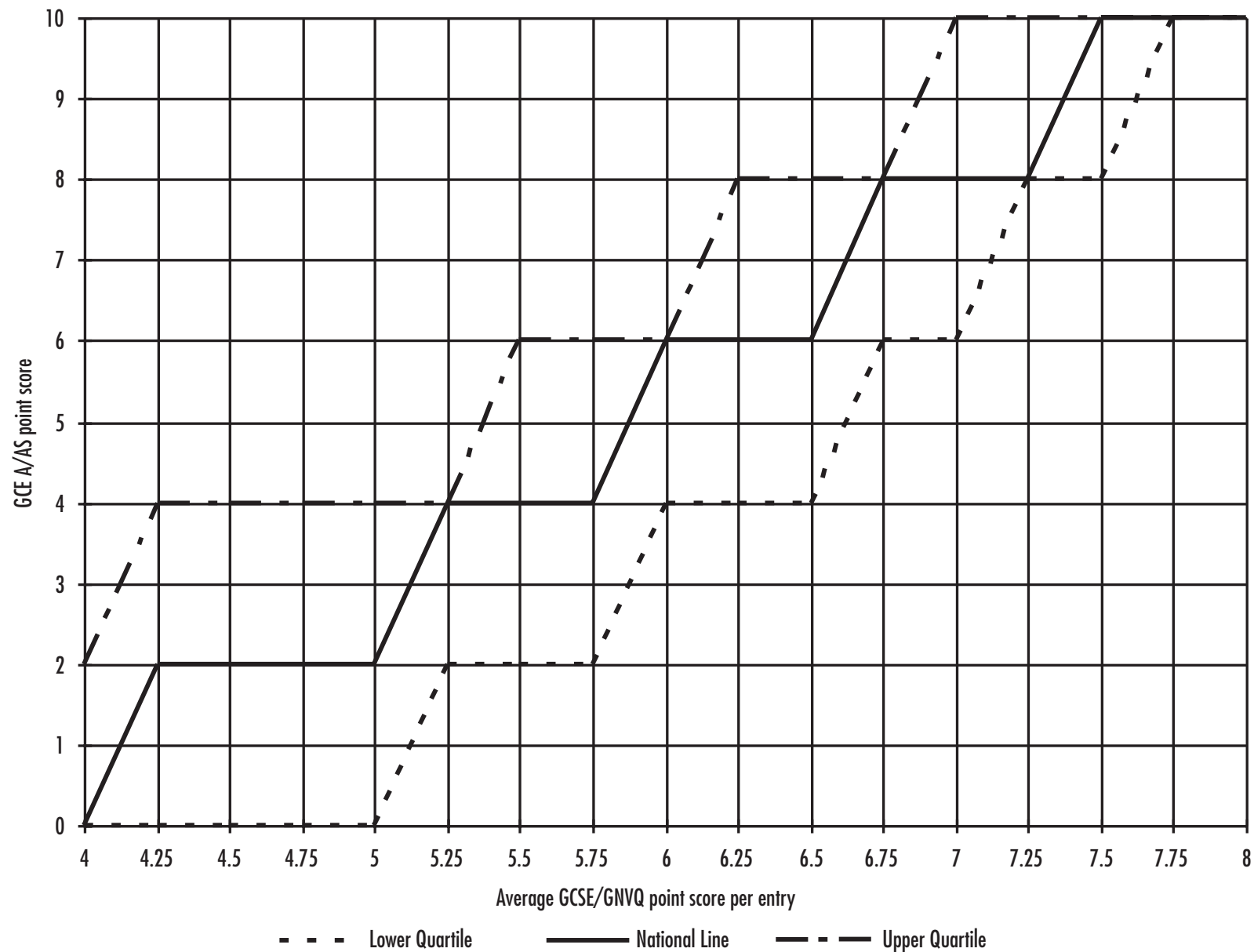


**GEOGRAPHY – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00**

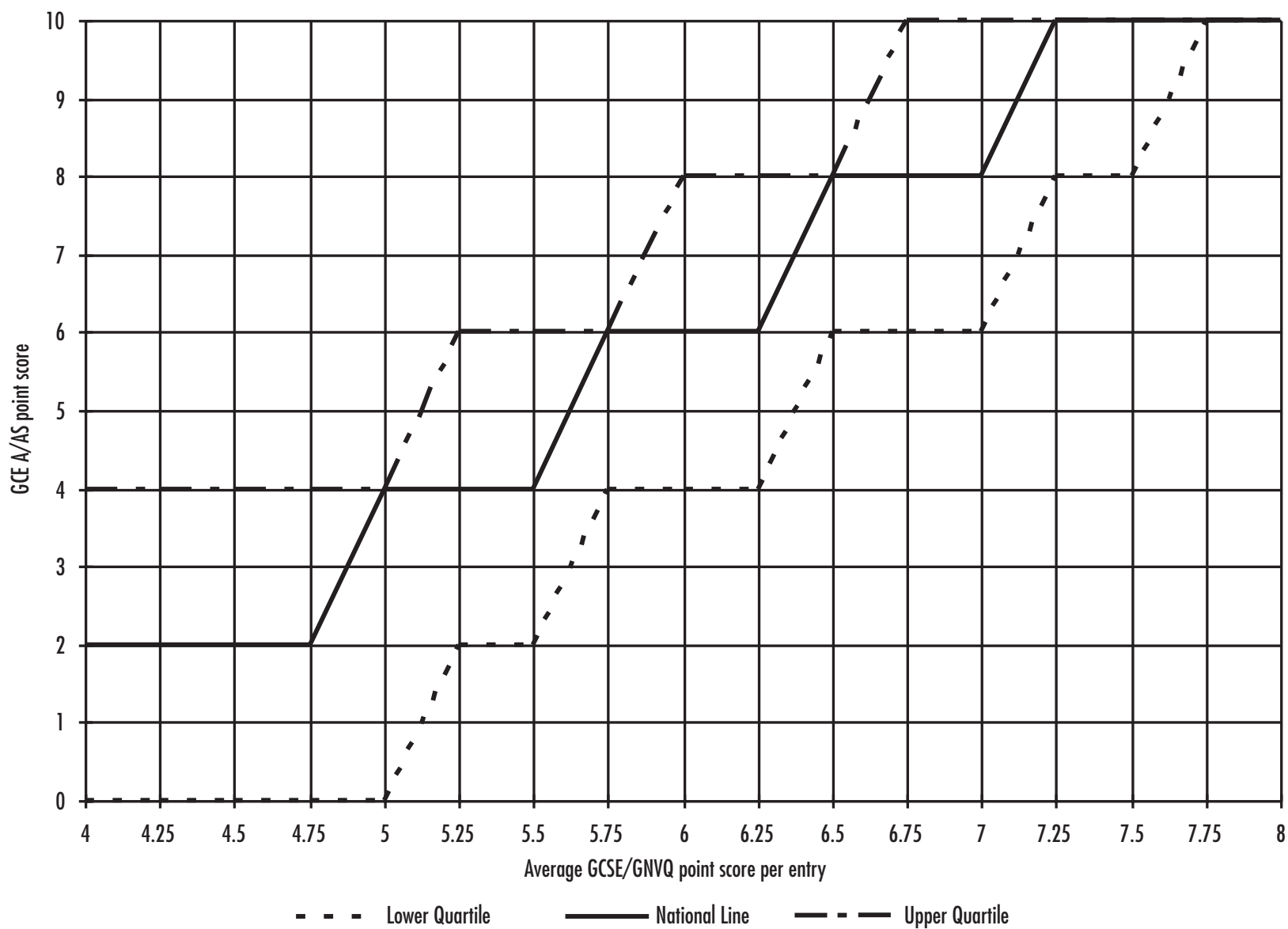




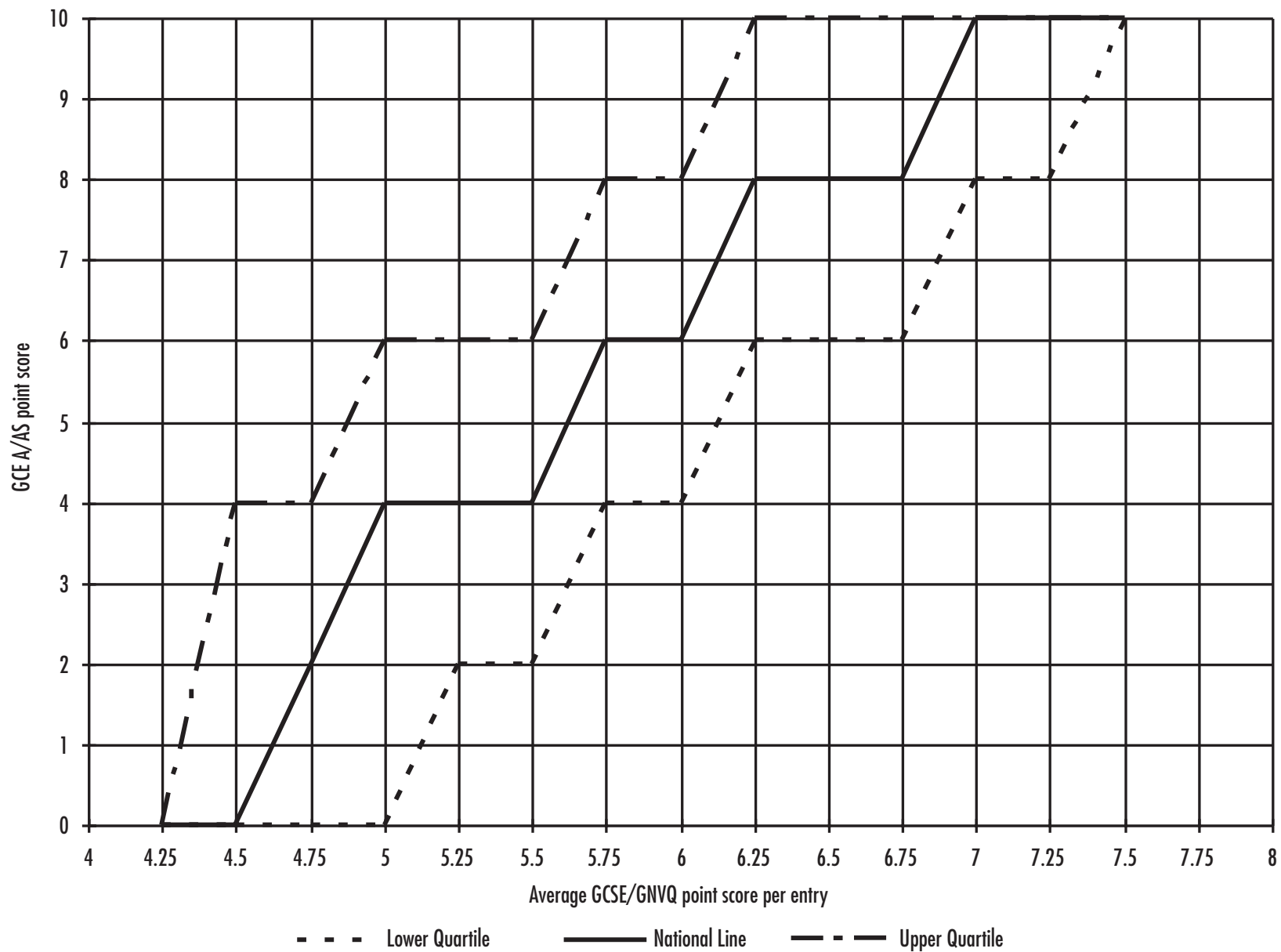
**GENERAL STUDIES – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00**



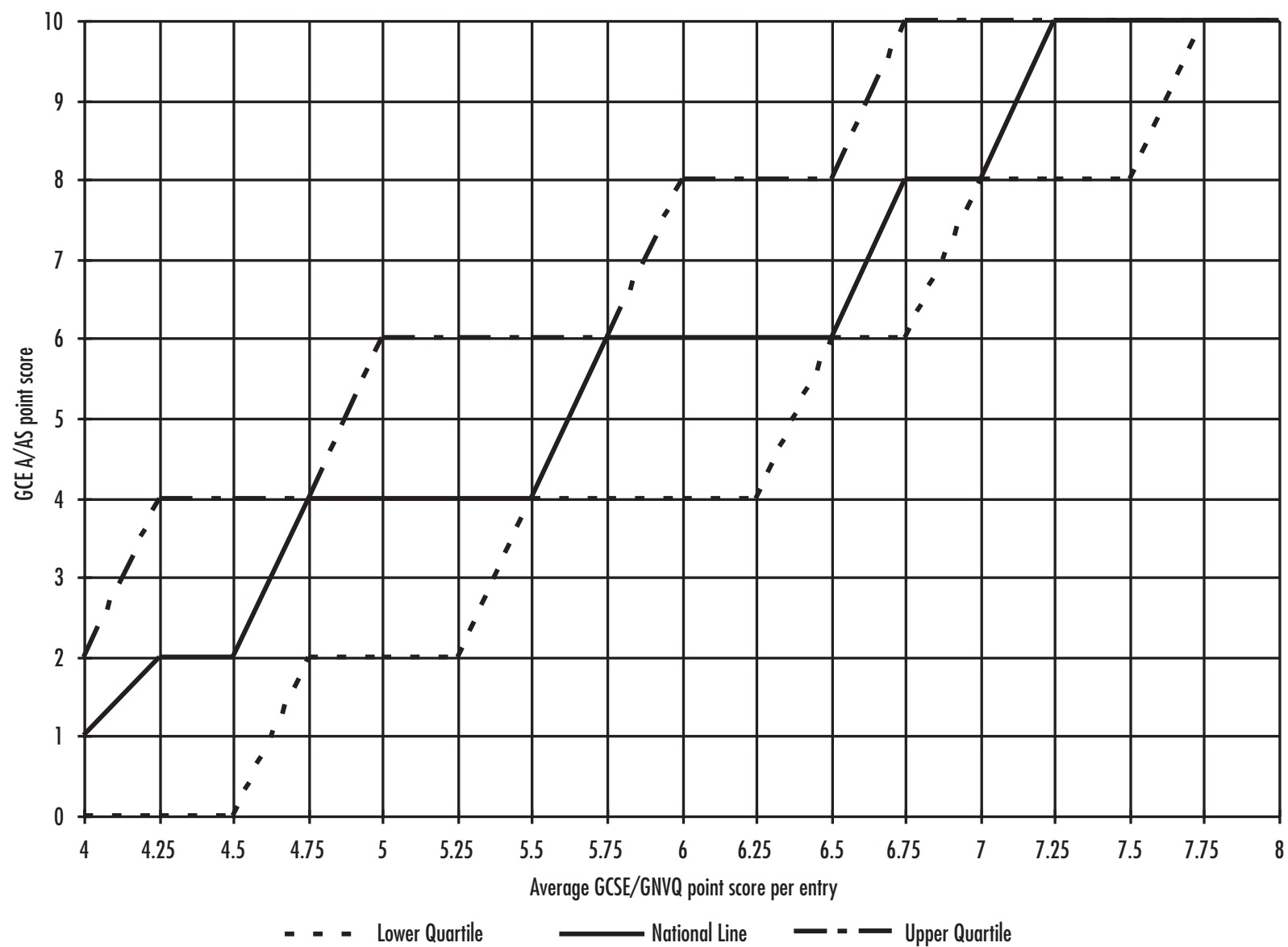
**HISTORY – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00**



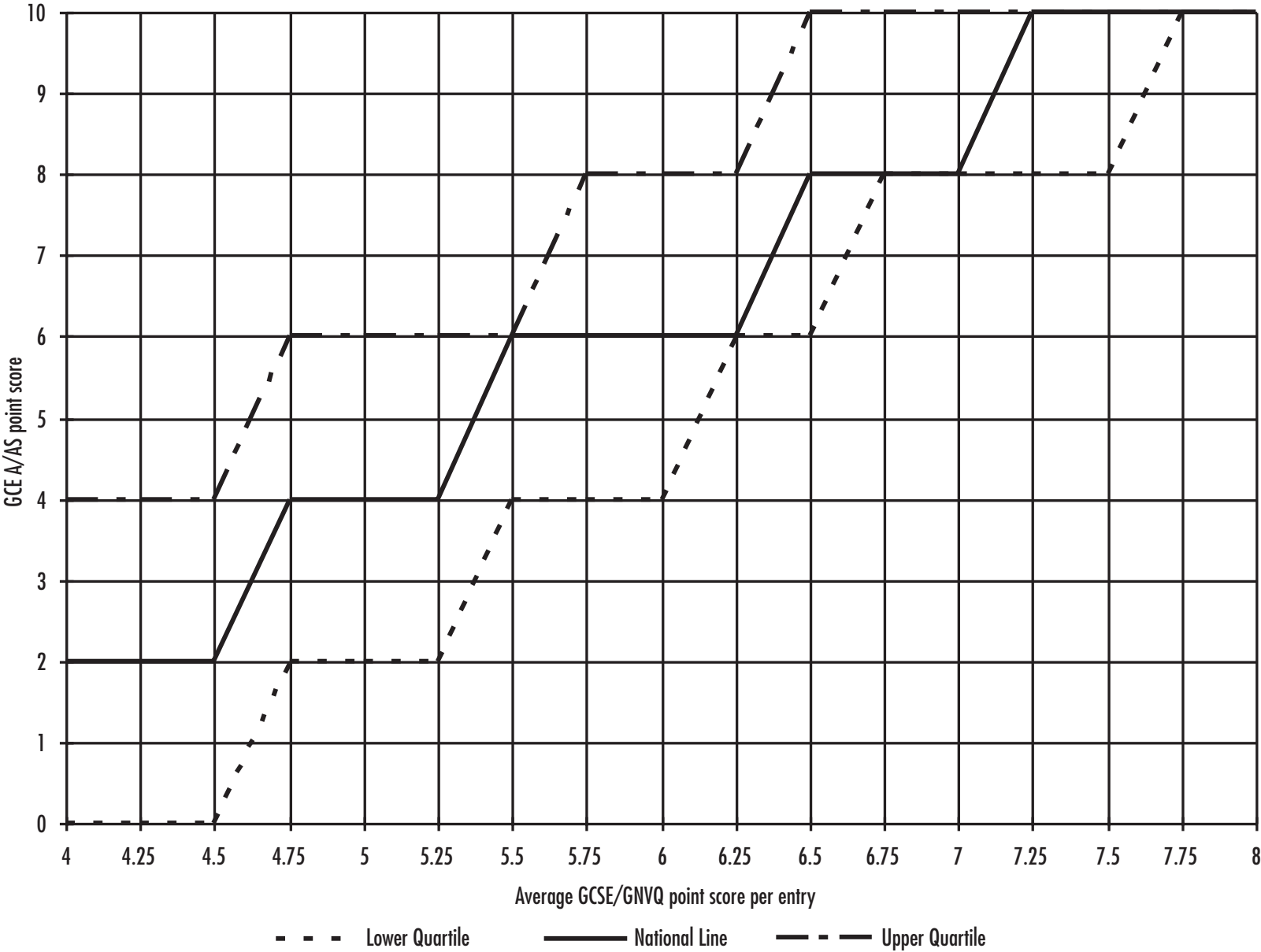
**HOME ECONOMICS – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00**



**MUSIC – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00**



**RELIGIOUS STUDIES – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00**



DESIGN & TECHNOLOGY – ‘average GCSE/GNVQ point score per entry’ against ‘GCE A/AS point score’ – 1999/00

